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THE
FLORAL MAGAZINE.

NEW SERIES.

THE
FLORAL MAGAZINE.

FIGURES AND DESCRIPTIONS
OF THE
CHOICEST NEW FLOWERS

FOR THE
Garden, Stove, or Conservatory.

BY
RICHARD DEAN, F.R.H.S.

THE DRAWINGS BY J. N. FITCH, F.L.S.

NEW SERIES.



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JANUARY, 1879.

[No. 85.]

HORTICULTURAL EXHIBITIONS.

THE December meeting of the Royal Horticultural Society fell far short of the extent of the previous meetings, owing to the severe frosty weather which prevailed, and which made it hazardous to bring out tender plants. Of novelties staged on this occasion the foremost was *Lælia anceps alba*, to which reference is made on another page. This came from Mr. Bull, and was so pure and good as to be unanimously awarded a First-class Certificate of merit. By the side of it was a plant of *L. anceps* also in bloom, and it was in striking contrast to its fine white counterpart. The same award was made to Mr. Richard Gilbert, gardener to the Marquis of Exeter, Burghley Park, Stamford, for Double *Primula sinensis*, Earl of Beaconsfield, with large full flowers of a clear rosy cerise colour, and with this, Mr. Gilbert also sent some of his other new varieties, three of which were figured in the FLORAL MAGAZINE a short time since. These new varieties of Mr. Gilbert's are remarkable for the great size of the blooms, their bold trusses, vigorous growth, and striking colours.

Other novelties included a small fruiting branch of *Eucalyptus globulus*, which was taken from a tree growing within the Crystal Palace, Sydenham, and it is supposed to be the first time it has produced fruit in this country. It was shown by Mr. Geo. Thomson, Garden Superintendent at the Crystal Palace. From Mr. Green, gardener to Sir Geo. Macleay, Bart., Pendrell's Court, Bletchingly, came a curious *Grevillia*, named *fasciculata*, bearing small reddish blossoms, a plant nearly hardy from Western Australia; also an example of the singular *Billbergia nutans*, the flowers compounded of the three colours, green, yellow, and blue. From Mr. Butters, gardener to Mr. Gerald Leigh, Luton Hoo Park, came the fruit of *Pandanus reflexus*. A Botanical commendation was awarded to the curious little *Masdevallia trigloch* from Messrs. H. Low & Co., Clapton Nursery, supposed to be the only plant in flower in this country; the blossoms are of curious shape, like small beetles. It is a native of Brazil.

A remarkable example of the fine red-flowered *Sophronites grandiflora* came from Mr. Heims, gardener to F. A. Philbrick, Esq., Q.C., Regent's Park, and was no doubt one of the best grown and flowered

plants yet seen. In addition there were some beautiful *Cyclamens* from Mr. H. B. Smith, Ealing Dean Nursery; and from Mr. Hepper, gardener to C. O'Ledward, Esq., Acton, came a berried *Solanum*, having a kind of half pendulous growth, and displaying its fruits to the best advantage; these are small, and of a bright coral red colour. It has been named *Solanum hybridum pendulum*.

Mr. Henry Cannell, nurseryman, Swanley, showed a large collection of bunches of flowers taken from some of the choicest Zonal *Pelargoniums*. The splendid size and rich colouring of some of the blooms was perfectly astonishing. They were said to have been gathered from plants raised from the latest struck cuttings, from which the buds were picked off during the summer; the plants were then pushed forward about the middle of September, and flowered in a nice warmth. The collection included boxes of bloom of the white and salmon-coloured *Sports* from *Vesuvius*; the striped variety *New Life*, and the following fine crimson and scarlet flowered Zonals: *Lizzie Brooks*, *David Thomson*, *The Shah*, *Rienzi*, *Mr. Pollett*, *Klein*, *A. Henderson*, *Mrs. Whiteley*, *Mr. Parker*, and *Colonel Seeley*, of pink-flowered varieties; *Lady Sheffield*, *Louisa*, *Sarah Holden*, and *Mr. Leavers*; a rich purple-tinted variety named *Dr. Denny* was shown also; and a pretty cerise flowered variety named *Circulator*; and the following salmon-tinted flowers, *Titania*, *Belle of Surrey*, and *Miss Gladstone*. This was a very pretty and attractive exhibit.

The great attractive feature was a very large and finely representative group of hardy plants, with green and variegated foliage, which quite filled the Entrance Hall. Here could be seen almost everything suitable for winter bedding, window boxes, wall plants, etc. This unique exhibition was furnished by Messrs. C. Lee and Son, Royal Vineyard Nurseries, Hammersmith.

TEA ROSES ON THE OPEN GROUND.

The past summer brought into prominent notice the great advantage of having Tea Roses on the seedling brier. We saw several collections that were in fine bloom right on into the autumn, until the rapidly increasing days and want of solar heat prevented the flower from expanding. Any one having in

addition to his collection of Tea Roses on the seedling brier, a little glass accommodation, may have Tea Roses in bloom almost all the year round, and thus have the command of cut blooms during nearly every month.

A large cultivator of Tea Roses, who grows them largely for cut flowers, keeps a nursery bed of budded plants constantly in reserve, to draw from it plants when required. These are planted out in the month of May on a border facing the East, and protected at the back by a belt of trees, which shelters the plants from westerly gales. Now, cultivators of Roses are sometimes recommended to plant their Tea Roses on a South border, but we are informed that it is an erroneous notion to do this, as the flowers get scorched up before they can thoroughly expand, from being in the full blaze of the sun in the hottest weather. When planted on an East border, they get the morning sun only for a few hours, which is all they want, as it is much better for them to be in the shade during the afternoon.

The ground is well prepared for planting in the winter months, it is thoroughly trenched, and enriched as may be necessary, and thrown up roughly for the frost to act upon it. Roses for planting out in this way are best grown in pots for a time, as they move without any check, and generally so much better than when lifted from the open ground. Up to the end of July all the buds are kept pinched off, the result being that the plants bloom all through the remaining summer and autumn months, and very freely and finely too. If early frosts threaten, a little bracken or any suitable litter thrown among them, is all the protection they require.

The glass structure, to which we have referred, comes in very useful to have Tea Roses in flower from February onwards; if the house be heated with hot water, Tea Roses can be had nearly all through the season, when there is an absence of bloom in the open grounds.

The best varieties of Tea Roses for planting out in the open ground are, the Old Devoniensis, Catharine Mermet, Rubens, Madame Falcot, Madame Charles, Madame Camille, Madame Willermoz, Safrano, Isabella Sprunt, and Goubault. All these are charming varieties, doing remarkably well on the seedling brier, and blooming with great freedom and continuously. It would not be difficult to add to these varieties, but those named can be fully relied on for the purpose named.

LÆLIA ANCEPS ALBA.

Under this heading the 'Gardeners' Chronicle' calls attention to this new orchid as now flowering in Mr. Bull's collection at Chelsea. It is described as "one of the most charming of new orchids," and it is further stated that "its peculiar characteristic is the purity of its white flowers, which equal those of a *Phalænopsis*, and whose texture may be compared to that of *Lapageria alba*; except the dash of yellow on the disk of the lip, it has not line or dash of colour, but stands out in spotless purity. It has ovate, ribbed pseudobulbs, shorter and paler than those of the type. The single oblong leaf is thick and firm in texture, and the flowers are large for this species, and remarkably spread out, measuring across the expanded petals 4 inches, and from tip to tip of the sepals 5 inches, the sepals being linear-lance-shaped, the petals broader, and the lip with an oblong undulated front lobe. All the parts, except the disk, being of a brilliant opaque white, forming a very handsome flower, one indeed which will bear comparison with any other orchid known, and then it is a cool orchid. It comes from Mexico, where it is very rare, from a locality upwards of 8000 feet above the sea, where the cold is intense, and where it freezes every night—in the cool season, we presume—so that icicles two to three feet long are found hanging from the neighbouring pine-trees. The plant grows mostly on precipitous rocks, rarely on trees. It must be seen to be appreciated, there is something so captivating in its dazzling whiteness."

INTERNATIONAL HORTICULTURAL EXHIBITION FOR 1880.

Some progress is being made with this great object. It is said that an Executive Committee has been formed out of the Preliminary General Committee appointed some time ago, and that the Working Committee are to prepare a Scheme and Schedule of Prizes for confirmation. Probably this important work will be undertaken early in the present year. The Committee are wise in deciding to get to work early, as the present dulness in trade will be an obstacle in the way of getting in subscriptions; and on no account must the Exhibition of 1880 fall below that of 1866.

Messrs. Sutton & Sons' 'Amateur's Guide in Horticulture,' just received, fully maintains its well-earned reputation.

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PLATE 337.

CATTLEYA MITCHELL.

We are indebted to Mr. B. S. Williams for the subject of this Illustration. *Cattleya Mitcheli* is a hybrid obtained by Mr. Mitchell, gardener to R. F. Ainsworth, Esq., M.D., of Manchester, from a cross between *C. quadricolor*, introduced from Colombia, and the Brazilian *C. guttata Leopoldi*. It is of compact growth, the bulbs being about twelve inches long, bearing two leaves each, of a dark-green colour. The sepals and petals purplish violet, the lip has the middle or front lobe dark, brilliant purple; the lateral lobes light purple; the disk orange, edged with white at the sides.

This garden hybrid is of a distinct and valuable character, and will form a fine companion to some of the best types found among those pseudo-bulbous Epiphytes. It requires to be better known, and when this comes about in course of time—for slowly-propagated plants circulate with tardiness—it will be appreciated as fully as it deserves to be.

PLATE 338.

BEGONIA 'NELLIE MAY.'

This fine variety of the tuberous-rooted section of Begonias is one of a batch of seedlings raised at the Chiswick Gardens of the Royal Horticultural Society by Mr. A. F. Barron; and in order to show the perfection to which this popular flower has been brought of late, it may be remarked, that out of some four hundred seedlings, many of them of fine quality, this was almost the only one that stood out from all the rest for its high-class value, and it was deservedly awarded a First-class Certificate of merit at a meeting of the Floral Committee of the Royal Horticultural Society on the 17th of September last. The plant is of a good habit of growth, free-blooming, the flowers of great size, form, and substance, and the colour soft rosy-pink. It is, we think, a fine addition to the pale-flowered varieties.

Now that so many new varieties of Begonias are being introduced, it is of much importance to have as great a variety of tints as possible in the flowers. We are glad to find that Messrs. Veitch's new variety, Queen of the Whites, is well worthy of cultivation; and we are pleased to learn from Mr. W. E. Gumbleton, who has made this new race of Begonias his special study, that among the novelties to be sent out next year from the Continent, there is the first Double Yellow Begonia yet introduced to cultivation.

PLATE 339.

NEW VARIETIES OF PERNETTYA MUCRONATA.

Hardy-berried plants are now very popular, because so useful for outdoor decoration during the winter months. The new varieties of *Pernettya* now figured are great acquisitions to this valuable group of plants. They were recently exhibited at the October meeting of the Royal Horticultural Society, and to one of them—*lilacina*—(fig. 2), a First-class Certificate of merit was awarded. The names of the others suggest the colours of the berries they bear, which are large, and produced with great freedom.

These new varieties were raised by Mr. Lennox T. Davis, Oglesgrove Nursery, Hillsborough, county Down, and they are the result of other seedlings obtained in the first instance from *P. mucronata angustifolia*. The varieties exhibited by Mr. Davis at the meeting of the Royal Horticultural Society in October last (inclusive of those figured) were only a part of many varieties produced in almost endless shades of colour in the berry, and of different habits of growth; pink, blush-coloured, and almost white berried types being among them.

The great value of these new varieties lies in their thorough hardiness, in their dwarf spreading habit of growth, and in their character of bearing berries in rich profusion. Some of the *Pernettyas* are very shy of bloom, but these new varieties are in remarkable contrast in this respect. The many uses to which they can be put, will readily suggest themselves to our readers.

PLATE 340.

SINGLE DAHLIAS.

These Single Dahlias, produced by Mr. Henry Cannell, nurseryman, Swanley, Kent, at the meeting of the Royal Horticultural Society on the 17th of September last, were favourably received, and attracted so much attention, that First-class Certificates of merit were awarded to two of them, viz. *Paragon* and *Lutea*. The first named (fig. 1) is a very old variety, and can be found in Dahlia Catalogues as far back as 1839; the petals are dark purplish maroon, distinctly edged with magenta purple, gradually deepening to a darker shade. *Lutea* (fig. 2) is said to be a variety of *D. coccinea*, the colour bright lemon yellow. *Cervantesi* (fig. 3) is something in the way of *Paragon*, but with a narrower edging of colour.

It is said that these Single Dahlias are very free-blooming, consequently they are likely to become popular as decorative objects and for cutting from as well as for border purposes. It is considered they will be welcomed as an acceptable relief to the formal-shaped blossoms of the high-class double-flowered varieties, which have become too massive for ordinary cut-flower purposes. The most remarkable circumstance connected with these forms is, that a Single Dahlia, rejected by florists of nearly half a century ago, as distanced by the then half-formed double varieties, should re-appear at this distant date, when the Double Dahlia is comparatively perfect in shape, and receive a First-class Certificate of merit.



J. Nugent Fitch del et Lith

W. E. Lockhart Sculp

CATTLEYA MITCHELI.

FLORAL MAGAZINE NEW SERIES

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IN THE HERBARIUM OF THE UNIVERSITY OF CALIFORNIA

BRIDGE, A. NELLIE MAY

FLORAL MATERIALS NEW SERIES

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NEW VARIETIES OF PERNETTYA MUCRONATA

1 Coccinea 2 Lilacina 3 Purpurea

FLORAL MAGAZINE NEW SERIES

L. B. & C. Henrietta St. West - London



J. Nugent Fitch del et Lith

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SINGLE DAHLIAS

1. Paragon. 2. Lutea. 3. Cervantes.

FLORAL MAGAZINE NEW SERIES

L. Reeve & Co. 5 Henrietta St. Covent Garden

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FEBRUARY, 1879.

[No. 86.]

HORTICULTURAL EXHIBITIONS.

It was to have been expected that the January meeting of the Royal Horticultural Society, which took place on the 14th ult., would be a small one in point of the variety of the subjects staged; for though something like a thaw had set in, there was a coldness in the air indicative of a further frosty time.

Chinese primulas were the leading feature, and very pretty they looked even in the bad light of the dull winter's day. Several of our leading growers, private and professional, sent groups of plants, all of high-class strains, and some of them including special varieties of great value. From Messrs. Sutton & Sons, Reading, came a batch of their fine new variety of *Primula sinensis*, named Ruby King, to which a First-class Certificate was awarded. This is of a fine deep ruby crimson colour, and in regard to the size and substance of the flowers all that could be desired. It is an early bloomer also, which is an additional recommendation. Mr. Fitch has made an excellent drawing of this fine variety, which we hope to give next month. From Mr. W. Brown, Brent Nursery, Hendon, a renowned market grower, came a singularly pretty and attractive variety, named *Cœrulea*, the colour a distinct shade of mauve-blue. This was awarded a First-class Certificate of merit as far back as 1873, but as it yields such a very small quantity of pollen for fertilizing purposes, a stock of it has never been obtained. This is to be regretted, as its unique and pleasing character could hardly fail to make it a very acceptable variety. The same grower had a variety named *Exquisite*, with rich deep rosy crimson flowers of great merit; and also a batch of plants of *Princess Louise*, a fine white variety with blush tints, raised by Mr. Tomkins of Birmingham. All these named forms are well deserving of cultivation.

From the Chiswick gardens of the Royal Horticultural Society came a large and interesting collection of named Primulas, comprising a large number of home and continental varieties, among them one of a remarkable depth of colour, named Bright Red, which, after it has been improved, will become a great favourite.

A First-class Certificate of merit was awarded to

Messrs. James Veitch and Sons, Royal Exotic Nurseries, Chelsea, for *Staphylea colchica*, belonging to a genus of hardy, white-flowered deciduous shrubs; the specimens shown had been forced into bloom, and the distinction conferred on it was in consequence of its value as a forcing plant. As far back as 1871, it was described by the *Gardeners' Chronicle* as "a hardy, vigorous-growing deciduous shrub, furnished with opposite imparipinnate leaflets, and producing its white flowers in terminal panicles of an ornamental character so profusely, as to become a useful pot-plant for market purposes. It belongs to the Staphyleaceæ, and is a native of the North of Europe." "This is the first time it has been exhibited as a forced shrub, but the plants shown by Messrs. Veitch & Sons admirably demonstrate its value for this purpose."

A similar award was made to Messrs. Sutton & Sons for a fine blush-white variety of *Cyclamen persicum*, named Reading Gem, remarkable for the great breadth and substance of its petals, and the purity of its colour; and also to Mr. B. S. Williams, Victoria Nursery, Holloway, for *Amaryllis*, Dr. Masters, with well-formed flowers of a rich blood-red hue, very striking in appearance. We hope to be able to illustrate this shortly.

From Mr. Parr, Harrow Weald, came a good yellow *Abutilon* named Yellow Prince, which appeared to be of a greater depth of colour than any variety we have yet seen; but as so many new forms are constantly being produced by home and continental raisers, the Floral Committee passed it with commendable caution. From Mr. Ollerhead, grower to Sir H. W. Peek, Bart., M.P., Wimbledon, came a finely-marked variety of *Odontoglossum cirrhosum*, the petals of which are richly spotted with dark chocolate. From Mr. Thomson, the garden superintendent at the Crystal Palace, came a basket of plants of *Crassula lactea*, which was regarded as a useful winter-flowering plant. From Mr. H. Cannell, of Swanley, Kent, came a stand of remarkably fine trusses of Zonal Pelargoniums, not only of great size and splendid substance, but richly coloured. Mr. Cannell merits great praise for the commendable manner in which he so persistently vindicates the claims of the Zonal Pelargonium to be regarded as an invaluable winter-flowering plant.

THE BEST EXHIBITION DAHLIAS.

A correspondent is desirous of having a list of the best 24 show Dahlias, and the best 18 fancy varieties for exhibition purposes. Our selection under the first of these headings is as follows:—Mrs. John Downie, Henry Bond, Louisa Neate, John William Lord, John Wyatt, Alexander Cramond, Cremorne, Henry Walton, Herbert Turner, James Service, John Neville Keynes, Mrs. Stancomb, Prince Arthur, Royal Queen, Thomas Goodwin, Constancy, James Cocker, King of Primroses, Christopher Ridley, John McPherson, John Standish, Vice President, Lady Gladys Herbert, and Ovid. The following is our selection of 18 fancy varieties:—Charles Wyatt, George Barnes, Flora Wyatt, Fanny Sturt, Henry Glestwick, Mr. Saunders, Miss Lily Large, Parrot, John Lamont, Maid of Athens, Hercules, Enchantress, Monsieur Chauvere, Richard Dean, James Carter, Octoroon, Rev. J. B. M. Camm, and Mrs. Bunn.

It is not necessary to give descriptions of these. They are all what is known as standard flowers, and being generally cultivated for show purposes, will be found in Dahlia catalogues. The list includes the best among the new varieties of last year, and they are set down in the order in which they were taken down when the list was made. It is just possible, and it might be expected, that some Dahlia fanciers will be found complaining of omissions from this list; but we have made selections to the best of our ability to meet the requirements of our correspondent.

CULTURE OF VERBENAS FOR EXHIBITION.

The publication of a coloured Plate of some fine new Verbenas, affords an opportunity for setting forth the mode of culture adopted by the West of England cultivators for getting good specimens in pots, and also in the form of fine trusses for exhibiting. Mr. J. F. Mould, one of the most successful growers of specimen Verbenas in pots for show purposes, states that Verbenas for exhibition should be struck in March from healthy plants making a stout growth. When merely rooted, the cuttings should be potted into small pots, and when these are nicely filled with roots a shift should be given into pots fully two sizes larger. As these pots become filled with roots, the plants should be shifted into their blooming-pots, which in the West of England are somewhat large, averaging from eight to ten inches in diameter, as may be convenient to the grower. The leading

shoots must be stopped two or three times, in order to produce six or eight strong shoots; and as the trusses of buds appear, those immediately beneath the leading truss, as they never produce fine pips.

To have a good succession of bloom, a strong growth should be encouraged three joints from the leading flower-stem, as it is found in practice shoots from the base of these stems will produce trusses of bloom equal to those obtained from the leading shoots. In wet weather the plants should have the protection of glass, to keep the flowers from being soiled by the falling rain.

The most suitable soil for the Verbena is loam, leaf soil, and peat, in equal proportions, with a sprinkling of guano mixed with the soil. The pots should be well drained, as Verbenas in pots do well only in a free open soil with plenty of drainage.

The plants that are cultivated in the open air should be put into a dry, healthy border, the soil of which has been previously trenched, and a good dressing of well-spent hot-bed manure and leaf soil worked into it. In this the plants make a free and vigorous growth; and the shoots require to be thinned out, and those retained to produce flowers well pegged down regularly on the ground. As the time for exhibiting draws near, lights should be placed on the plants to protect the flowers from heavy dashing rain, and to keep them pure in colour and clean, as it is impossible to have them up to show-form without some such protection.

The usual method is to exhibit Verbenas in bunches of five trusses of one variety; and when the flowers are in fine condition, a stand of cut Verbenas is a pretty and attractive sight. Some of the varieties are sweetly fragrant, which is an additional recommendation to notice.

The Verbena is also a most useful summer bedding-plant for the flower garden, and whether the beds be filled with plants of only one or several varieties, they are very effective when in good bloom.

The French Government has conferred the Legion of Honour on Mr. Martin J. Sutton, managing partner of the firm of Sutton & Sons, Reading, as a special recognition of the merits of the exhibits of that Firm at the Paris Exhibition, and of the services thereby rendered to horticulture and agriculture.

PLATE 341.

NEW VERBENAS.

The Verbena has always been both a useful and an attractive flower; useful in its adaptability for bedding and exhibition purposes; and attractive, because so free of bloom, so cheerful in appearance, and so charming in the great variety of colours the flowers present. It is a flower that has been largely improved by the practical florist, and the work of improvement has by no means come to a close.

We are indebted to Mr. J. F. Mould, nurseryman, Pewsey, Wilts, for the opportunity of figuring three varieties of a most promising batch of fine seedlings he raised some time since. Mr. Mould is a well-known and successful exhibitor of Verbenas in the West of England, both as specimens grown in pots and in the form of bunches of cut blooms; and in raising new varieties he has endeavoured to produce forms that would prove equally acceptable for bedding as for exhibition purposes. Our readers can infer from Mr. Fitch's drawing what amount of success Mr. Mould has attained in the way of obtaining varieties with finely-formed and charmingly coloured pips. Mr. C. Fletcher (No. 1) is very large and handsome, brilliant scarlet-lake in colour, with a dark shading round the eye. Vandyke (No. 2) is of a fine tint of lake suffused with magenta; with a magenta pink bar on the lower petals next the eye. Cleopatra (No. 3) is of a pretty pink hue tinted with salmon, with a very bright pink ring round the eye. All are of a fine form and substance.

PLATE 342.

PHALÆNOPSIS VIOLACEA.

In the *Gardeners' Chronicle* for August 24, 1878, Professor Reichenbach observes that—"Few plants took longer to get known than this, it having been described in the *Plantæ novæ in Horto Bogoriensi cultæ* in a most unsatisfactory manner. It has been figured in the *Flore des Jardins du Royaume des Pays-Bas*, but neither could it be understood by that figure. I had but once seen a fresh flower by the kindness of Mr. Willinek, of Amsterdam; it flowered at Leyden in 1862; I do not know of its having flowered anywhere else. I have been pleased to get just now the second European flower produced by a plant in the collection of Mr. H. Williams, Esq., Treadrea, Cornwall."

Later in the year this superb *Phalænopsis* flowered for the first time in the Royal Exotic Nursery at Chelsea, and was exhibited by Messrs. James Veitch & Sons at the meeting of the Royal Horticultural Society on the 15th of October. This plant is the subject of our illustration, and is described by Professor Reichenbach as "a new variety, light lemon yellow, with purplish inside at the base of lateral sepals, purplish in the middle part of lip, with purplish base of column and orange side laciniae." It was sent from Singapore by Mr. H. G. Muston, Superintendent of the Botanic Gardens.

PLATE 343.

POMPON CHRYSANTHEMUMS.

We are indebted to Messrs. E. G. Henderson & Son, Pine-apple Place, Edgeware Road, W., for the material from which Mr. Fitch has made an effective drawing. The subjects of our illustration represent some new varieties of Pompon Chrysanthemums which this well-known nursery Firm has been the means of introducing to cultivation. *Variegata* (fig. 1) is an exceedingly pretty variety, the petals light magenta, tipped and margined with white, the flowers of a large size and agreeable form. *Rosinante* (fig. 2) is of a light magenta pink colour, the points slightly white; the centre of the flower tinged with yellow as a kind of base to the petals. *Danæ* (fig. 3) is of a very bright sulphur yellow shade, with reddish stamens; the flowers full, compact, and of very pleasing form.

We regard these varieties as good additions to our lists of Pompon Chrysanthemums. Their novelty of character, symmetry of form, and attractive appearance, will, we think, lead to their being generally grown when they become better known; and we are happy in being able to introduce them to our readers.

PLATE 344.

FANCY DAHLIA 'GAIETY.'

This new variety, raised by the late Mr. John Keynes at the Castle Street Nursery, Salisbury, is a singularly attractive and novel variety, the ground colour yellow, the petals tipped with white, and striped with bright pale red; it is also of good form and large size, and has received the distinction of a First-class Certificate from the Floral Committee of the Royal Horticultural Society.

Its fine form and striking appearance in a stand of cut flowers, will make it very valuable to those cultivators of the Dahlia who grow for show purposes; it is also said to be very constant, and one of those flowers which can be relied on by exhibitors.

Of late years there has been a great improvement in the form of the fancy Dahlias. At one time they were flat and somewhat coarse, but raisers have made substantial progress in remedying these defects, and some of the newer fancy varieties rival the show flowers in their perfection of outline, shape of petal, and depth of substance.

Other good new fancy Dahlias are Barnaby Rudge, fawn colour, striped with deep crimson; Florence Stark, white ground striped with purple; and Trotty Veck, yellow ground prettily striped with rosy purple. The foregoing also originated at the Castle Street Nursery, Salisbury.



NEW VERBENA.

1 C. Fletcher 2 Vandyke 3 Cleopatra

FLORAL MAGAZINE NEW SERIES

L. Reeve & Co. 5 Henrietta St. Covent Garden



J. Nugent Fitch del. et lith.

PHALAENOPSIS VIOLACEA.

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5 Henrietta St. Covent Garden

V. Brooks Day & Son. Imp.



J. Nageut Fitch del et lith

Vincent Brooks, Day & Son, Imp.

POMPONE CHRYSANTHEMUMS.

1. Variegata. 2. Rosinante. 3. Danæ.

FLORAL MAGAZINE. NEW SERIES

L. Reeve & Co. 5 Henrietta. St. Covent Garden.



J. Nugent Fitch, del et lith.

FANCY DAHLIA GAIETY

V. Brooks Day & Son, Imp.

FLORAL MAGAZINE NEW SERIES

L. Reeve & Co. 5, Henrietta St. Covent Garden.

THE FLORAL MAGAZINE.

NEW SERIES.]

MARCH, 1879.

[No. 87.]

HORTICULTURAL EXHIBITIONS.

At present—as might reasonably be expected at this season of the year—these are few and far between. The usual monthly meeting of the Royal Horticultural Society took place on February 11th, and though it was the means of bringing together some pretty and effective groups of plants, there was little in the way of variety. One of the most interesting subjects was *Rubus rosæflorus*, var. *Coronarius*, flowering specimens of which came from Mr. C. Green, gardener to Sir George Macleay, Bart., Pendrells Court, Bletchingly; and it was awarded a First-class Certificate of merit. The *Gardeners' Chronicle* recently gave a woodcut of this charming plant, and stated that it is “valuable for decorative and cutting purposes, as it forms compact little plants in small pots if attention be paid to stopping during the summer while growing out of doors. In the autumn the plants should be placed in a cool pit or greenhouse, and a liberal supply of water given. When the season is not too severe, the plant will survive in an open border in a sheltered spot.” This plant, which belongs to the Brambles, is “a native of the Himalayas, Burma, &c., and has become naturalised in many sub-tropical countries, but, though long introduced, is very little known to modern gardeners; it is one of the most elegant little plants for greenhouse culture. The flowers are pure white, very double, and the leaves are more like those of a Rose than of an ordinary Bramble.” From the same exhibitor came cut specimens of *Dahlia Maximiliana*, which is an attractive species of the *D. Imperialis* type, with pretty, purplish lilac blossoms, but not nearly so large in size as those of *D. Imperialis*. The plant is said to “present a stately appearance, independent of its flowers, growing to a height of eight feet, and four feet in diameter. It continues in bloom for a considerable time, and requires the same treatment as *D. Imperialis*.” The same exhibitor had blossoms of the white-flowered *Sparmanina africana*.

A First-class Certificate of merit was also awarded to Mr. William Bull, King's Road, Chelsea, for a *Cyphokentia macrocarpa*, a handsome pinnate-leaved Palm, the young unfolding leaves of which are of a bronzy-red colour. The *Gardeners' Chronicle* states that it was “introduced from New Caledonia in 1875, and was put in commerce in the following year under the name

of *Kentia* (*Kentiopsis*) *macrocarpa*, Brant, in M. Oswald de Kerchove's handsome volume, *Les Palmiers*, published in Paris last year.” Mr. Bull also had a valuable and interesting group of plants comprising some good examples of the following Orchids:—*Oncidium macranthum hastiferum*, *Oncidium cirrhosum* Klabochorum, *Dendrobium Fytchianum*, *Lycaste Skinneri*, *Masdevallia polystiela*, and several Palms and handsomely developed specimens of such Cycadaceous plants as *Macrozamia K. Kenzii*, *Encephalartos cycadæfolius duplicatus*, *E. villosus*, *E. Hildebrandtii*, *horridus*, *volutus*, &c.

Mr. John Wills, Onslow Crescent, South Kensington, had a tastefully arranged group of plants that presented a charming effect; and Messrs. James Veitch & Sons, King's Road, Chelsea, had a very effective group of plants, including examples of *Staphylea colehica*, alluded to in our last; Lilacs, Gueldres Roses, &c.; some pretty Cyclamens; a small white-flowered hybrid Orchid named *Dendrobium endocharis*, the result of a cross between *D. japonicum* and *D. heterocarpum*; and a pretty lilac-pink fern-leaved *Primula sinensis*, named Peach Blossom. Mr. B. S. Williams, Victoria Nurseries, Holloway, had a capital group of plants, which included the distinct-looking *Abutilon ignea*; *Amaryllis* Harry Williams, with a large, deep-reddish crimson flower, mottled with white; *Croton Princess of Wales*, a sport from *C. gloriosus*, which it much resembles; *Asplenium neo-caledonicum*; some good examples of the white-flowered *Cœlogyne cristata*, &c. Messrs. Osborne & Sons, Fulham Nurseries, also set up a nice group of forced flowering plants. From H. J. Buchan, Esq., Meton House, Southampton, came a plant of *Oncidium superbium*, with a spike of seven somewhat large, bright-brownish chocolate flowers. Mr. C. Raun, gardener to J. Warren, Esq., Handcross Park, Crawley, Sussex, exhibited *Phalænopsis grandiflora gigantea*, bearing three flowers of unusual size, the plant being in robust health. From Mr. H. Parr, of Harrow Weald Park, came some cut specimens of *Poinsettia pulcherrima*, measuring some fifteen inches across the head of the back, taken from plants said to have been grown in six-inch pots. Mr. H. Cannell, Nurseryman, Swanley, had as usual some splendid cut blooms of Zonal Pelargoniums in fine condition; they were shown rising out of a carpet of *Herbera depressa*, a very nice arrangement indeed. From the Chiswick Gardens of the Royal Horticultural Society was sent up a large collection of *Primula sinensis* fim-

briata, showing the Continental strains. Some of the striped flowers were very fine in quality, and there were among them one or two of the purple-coloured type possessing an unusual brilliance of colour. If Mr. Barron succeeds in getting something better from these, as there is every reason to believe he will, it will be of great decorative value.

THE ORIGIN OF THE HOLLYHOCK FUNGUS, AND HOW TO DESTROY IT.

Under this heading the *Gardeners' Chronicle* supplies the following important information:—"This destructive fungus, which has wrought great havoc some seasons amongst Hollyhocks in this country, appears to become general and more unmanageable in Germany than it has hitherto been here. Professor De Barry contributes an article to the *Deutsche Gärtner-Zeitung*, in which he describes the mode of reproduction of this pest, the history of its appearance in European gardens, together with some remarks on the means of destroying it, or discouraging its growth. With regard to the origin of the Mallow fungus, De Barry says it is uncertain whether it was first introduced into Europe from Chili, or *vice versa*, but there appears to be no doubt that it spread from Spain into the south of France in 1873. The only means of destroying it is to burn the plants affected, but De Barry thinks sulphur may prevent or check it from spreading. As a matter of fact, a solution of soft soap and sulphur is very effective. With regard to the development of the Mallow fungus, the learned author states that moisture favours it, which we should have thought most probable, and consequently he recommends that Hollyhocks should be kept as dry as possible, consistent with their good culture. Now, in our best text-books of practical gardening it is stated that 'During times of drought it is particularly destructive, and therefore plenty of moisture at the roots, and a vigorous growth should be maintained.'" According to the practical authority just quoted, the disease, as the fungus is termed, was particularly rife in this country in 1873 and 1874; "but during the summer of 1875, probably owing to the presence of moist weather, it was not nearly so destructive."

Mr. William Chater, the veteran Hollyhock cultivator, of Saffron Walden, has of late years adopted the practice of growing Hollyhocks in the open air in trenches, so that the plants could have their roots thoroughly saturated with water during summer; Mr. Chater believing that moisture and coolness are mitigating agencies in relation to the fungus. He has entirely given up, during the last few years, the sale of plants from cuttings, on account of the fungus so persistently attacking plants reared in heat. Mr. Chater holds to the opinion that the more the Hollyhock is treated as a hardy plant the less disease there will be; and the plants of named varieties he is now selling are drawn from the open ground where they have been growing during the winter. Our own experience teaches that the ravages of the fungus

have been much more thorough and destructive during a dry than during a wet summer. How great a havoc the fungus has played among Hollyhocks is shown from the fact that seed of a reliable strain has reached an almost unprecedented price in the seed lists.

THE PYRACANTHA AS A WINTER PLANT.

This evergreen Thorn (*Crataegus pyracantha*) is a most valuable decorative plant at this season of the year. When in Kent, a few days ago, we saw a plant growing against a cottage wall, and a few of the leading shoots had been allowed to run up, and were trained as upright cordons. These were laden with its bright-coloured berries to a degree that was really remarkable; they were in dense clusters, almost hiding any trace of leaves. The blossoms of the *Pyracantha* have a sweet smell, something resembling new hay; and with its shining evergreen leaves and clusters of berries, together with its docility under training, although properly a shrub, it is well adapted for any vacant space of wall, and is especially suitable for covering a portion of the wall of a house, and unquestionably ranks high as a decorative agent in the winter garden. It is a plant that is useful almost all the year round, as the berries of the preceding season have scarcely disappeared before its fragrant branches of white flowers present themselves to the eye. There are many ways in which this useful plant can be employed, and it will do in almost any soil.

BOOK RECEIVED.

Diagnoses Plantarum Novarum vel Minus Cognitarum Mesicanarum et Centrali-Americanarum. By W. B. Hemsley, The Herbarium, Kew.

We have to thank Mr. Hemsley for this publication, which will doubtless prove of value to many for reference purposes.

AURICULAS IN FEBRUARY.

In the first spell of mild weather which follows on the present long spell of frost, the plants will require to be so treated as to assist in getting them into active growth. Top-dressing is of prime importance in leading to this result. About an inch in depth of the old compost should be removed, taking care not to break any of the young roots near the surface; and filling up with dressing made of sweetened old cow-dung reduced to a powder, and some sweet leaf mould. Any plants infected with green-fly should be well fumigated, and the leaves cleansed from any larvæ which might have been deposited on them. By doing this the plants will get a good start for the season. The plants will be helped by having the outsides of the pots, and the stages on which they are placed, thoroughly cleansed. If the weather continues mild, plenty of air should be given, as this not only secures a sturdy growth, but it also tends to cleanliness in the plants. Polyanthuses in pots should be similarly top-dressed to give them a good start also. Cleanliness and good health are of the first importance in the case of Polyanthuses, as well as Auriculas.

PLATE 345.

RHODODENDRON, "DUCHESS OF TECK."

This is one of the splendid race of hybrids obtained by Messrs. James Veitch & Sons from the intercrossing of *R. javanicum*, *R. Lobbi*, *R. jasminiflorum*, and *R. Princess Royal*, the last-named itself a hybrid of the highest merit, raised and sent out by the same firm a few years ago. Of this group we have already figured *R. Duchess of Edinburgh*, *R. Prince Leopold*, and *R. Taylari* (see plates 115, 209, and 242).

R. Duchess of Teck, the subject of our illustration, possesses all the excellent qualities of these fine varieties, and is at the same time perfectly distinct from either: it also has the additional recommendation of combining compactness of habit with a free growth. It is a beautiful addition to our warm greenhouse *Rhododendrons*, and one well deserving a place in every collection.

We understand it is the intention of Messrs. Veitch & Sons to distribute this fine acquisition, in conjunction with *R. Prince Leopold*, above mentioned, in the present season.

PLATE 346.

CYMBIDIUM AFFINE.

This superb new species is regarded by authorities as a great acquisition to this fine group of orchids. This species flowers in a much smaller state than any of the other *Cymbidiums*, producing spikes of sweet-scented flowers of good shape and substance. Professor Reichenbach has described it in the *Gardeners' Chronicle* as "in the way of *Cymbidium eburneum* and *C. Mastersii* in growth, with flowers more like those of the last species in a rich raceme. The lip supplies the difference. The flowers are white, with a few purplish dots on the anterior part of the lip."

This species is best cultivated in the *Cattleya* house, in a compost formed of loam and peat, with plenty of drainage, water being freely given during the growing season.

We are indebted to Mr. B. S. Williams, the introducer, for the subject of our plate, with whom this species flowered for the first time in this country.

PLATE 347.

AMARYLLIS, "DR. MASTERS."

This splendid variety was exhibited in January last, at the meeting of the Royal Horticultural Society, and awarded a First-class Certificate of merit. It is a seedling raised by Mr. B. S. Williams, of the Victoria Nurseries, Holloway, and forms a valuable addition to this gorgeous class of plants. When in flower it is of very stately appearance, the flowers large, finely formed, and splendid in colour: added to this, it is said to be a very free blooming variety, which is a most important and valuable quality. Mr. Williams has raised many fine varieties, but this appears to top them all with its majestic proportions and striking colour.

In his book on *Choice Stove and Greenhouse Flowering Plants*, Mr. Williams remarks that "like many other bulbous plants, the Amaryllis has gone out of fashion, and has been far too much neglected in this country of late years, but its value is now again beginning to be appreciated. Why they should ever have fallen into such neglect it is difficult to understand, for they are most accommodating in their nature, being suitable plants for growing either in the stove, greenhouse, or fernery; and as they are dried off and at rest part of the year, they require but very little space, for during the resting period they may be stored away in any dry, cool place."

PLATE 348.

PRIMULA SINENSIS FIMBRIATA, "RUBY KING."

We are indebted to Messrs. Sutton & Sons, Seedsmen, of Reading, for the opportunity of figuring this splendid variety. It is the result of a careful selection made for the purpose of getting a rich and unusual depth of colour associated with all that can be desired in a Chinese Primrose. The habit of growth is vigorous, yet stocky and sturdy, and the trusses of bloom are well displayed above the foliage. In November last we saw a large quantity of seedling plants of this fine Primula growing in one of the houses at their London Road Florists' Flower Seed Grounds, and was much struck with the remarkable evenness of character shown by the strain. That it comes very true from seed was strikingly manifested on this occasion.

At the meeting of the Royal Horticultural Society in January last, Messrs. Sutton & Sons sent up a batch of plants of this Primula, where it had to compete with strains from other celebrated growers. Its value was most incontestably shown by the fact that it was selected for the honour of a First-class Certificate of merit.



Nugent Fitch del. et lith.

Vincent Brooks Day & Son, Imp.

RHODODENDRON DUCHESS OF TECK.

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5, Henrietta St. Covent Garden.



J. Nugent Fitch del. et lith.

CYMBIDIUM AFFINE.

Vincent Brooks Day & Son. Imp.

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5, Henrietta. St. Covent Garden.



J. Nugent Fitch del et lith.

AMARYLLIS D^R MASTERS.

Vincent Brooks Day & Son. Imp.

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5, Henrietta St. Covent Garden.



Flower Primula King.

PRIMULA SINENSIS RUBY KING.

Vincent Brooks Day & Son, Inc.

FLORAL MAGAZINE NEW SERIES.

Published by the Horticultural Society of America.

THE FLORAL MAGAZINE.

NEW SERIES.]

APRIL, 1879.

[No. 88.]

HORTICULTURAL EXHIBITIONS.

THE pleasant Spring Exhibitions may be said to have commenced with that of the Royal Horticultural Society on March 11th, when the leading features were the splendid groups of *Cyclamen* from Mr. H. B. Smith, Ealing Dean Nursery, Ealing, and Messrs. Edmonds and Gohm, Hayes Nursery, Middlesex; that of Orchids from Sir Trevor Lawrence, Bart., M.P.; and that of *Amaryllis*, &c., from Messrs. James Veitch and Sons, King's Road, Chelsea.

Of new forms of the increasing popular *Cyclamen Persicum*, Mr. H. B. Smith received First-class Certificates for two fine novelties—viz., *Crimson King*, a rich lustrous purple-crimson variety, very deep and yet bright in colour, and excellent habit; and *Picturatum*, a large-flowered variety of the *grandiflorum* type, colour pink, shaded with rose; the mouth of the flower of a rich rosy purple. Of several fine new forms of *Amaryllis* staged by Messrs. James Veitch and Sons, one named *Virgil* received a First-class Certificate. This is a magnificently formed flower of the *Leopoldii* type, the large expanded and almost flat blossoms measuring seven inches across, the petals smooth and well rounded, and of a creamy white colour, barred and shaded towards the centre with crimson. *A. Purpurea*, *A. Leopoldii*, *A. Dante*, and others were very fine indeed. From Mr. A. Heims, gardener to F. A. Philbrick, Esq., Q.C., Avenue Road, Regent's Park, came *Ipsea speciosa*, a terrestrial Orchid, introduced from Ceylon some forty years ago, and having an erect scape two feet or so in height, with a truss of pendant lemon-yellow coloured flowers. This was accorded a First-class Certificate of Merit; in addition to its pleasing colour, the blossoms are sweetly scented. The gem of the exhibition in the way of new plants was the fine new *Cymbidium Lowianum* from Messrs. Hugh Low and Co., nurserymen, Clapton. As Mr. Fitch has made an excellent drawing of this for figuring next month, we may briefly describe this splendid new importation as resembling *C. giganteum*, having large greenish yellow sepals and petals, and a striking deep velvety crimson lip; the spike of flowers large, long, and extremely handsome in appearance. This was unanimously awarded a First-class Certificate of merit. The same award was made to M. Auguste Van Geert, of Ghent, for a semi-double flowered variety of *Azalea indica*, named

Empress of India, the petals pink, margined with white, and much blotched with crimson purple towards the centre; and also to Messrs. Veitch and Sons for *Davallia Mariesii*, a dwarf evergreen species, with finely cut lace-like pinnæ, said to be hardy in a cold frame.

Other interesting novelties consisted of cut flowers of *Stiffia chrysantha*, an interesting composite stove shrub, with showy orange-coloured flowers springing from amongst long coloured pappus hairs, introduced from Brazil nearly forty years ago, but little known; a variety of *Odontoglossum crispum*, named *Macleayi*, and a fine bloom of the singular *Vanda cathartica*, which had been cut three weeks, and promised to keep in good condition for three weeks more. These come from Mr. C. Green, gardener to Sir Geo. Macleay, Bart., Pendrellt Court, Bletchingley. From Messrs. Hovey and Co., Boston, U.S.A., was sent some cut blooms of *Camellia*; Mrs. Hovey, a peach-coloured flower of fine substance, and without that blotch in the points of the petals which is regarded as a blemish in some otherwise fine varieties; and a Japanese *Azalea*, named *Hoveyi*, which had the appearance of a greatly improved form of *Amocua*; unfortunately the plant suffered from frost during the journey to England, and was almost denuded of leaves. In the way of novelties, Mr. William Bull, King's Road, Chelsea, had *Æchmea Leopoldi*, the topmost leaves of which are very finely coloured; a fine plant of *Adiantum bellum*; a highly coloured form of *Cattleya Trianae*, named *Splendida*; and *Pteris umbrosa cristata*, a free-growing and very ornamental fern.

We may draw upon the columns of the *Gardeners' Chronicle* for some reference to the leading features of Sir Trevor Lawrence's fine groups of Orchids. These "reflected the highest credit upon their cultivator, Mr. Spyers, every plant being in perfect health, profusely flowered, and without a spot or blemish of any kind. Perhaps the most attractive plants in the group were three or four grandly-flowered specimens of that lovely *Dendrobe*, *D. Wardianum*, but to the Orchid connoisseur there were more remarkable objects than these to claim his admiration. The first of these was a remarkably healthy plant of *Cymbidium eburneum*, with eight of its noble looking, waxy white flowers; the second being a plant of the handsome and rare Brazilian *Lælia harpophylla* with five spikes of brilliant orange scarlet blossoms." (This was a most striking feature, the colour being superbly developed.) "The three largest plants of

Dendrodium Wardianum bore seven, eight, and eleven spikes respectively, some of them being over two feet in length, and splendidly bloomed. *D. luteolum*, a primrose yellow-flowered specie, introduced from Moulmein by the Rev. Mr. Parish some fifteen or sixteen years ago, was represented by a well-flowered plant growing on a teak block. *D. nobile cœrulescens* had ten fine spikes of its bluish violet-tinted flowers, and *D. crassinode grandiflorem*, and *D. crassinode Barberianum*, were also represented by freely flowered varieties of great excellence. *Odontoglossum crispum* (Alexandræ) came next under notice in several varieties, one spike bearing fourteen and another thirteen flowers; and yet another, the variety named *roseum*, with seven of its lovely rosy lilac flowers. *O. nebulosum pardinum* had six flowers on a spike; and *Maxillaria lepidota* had five of its spurred-like flowers. *Phalaenopsis Schilleriana* had a beautiful spike of two dozen flowers; and *Masdevallia polysticta* seven spikes of white crimson-spotted blossoms. *Cœlogyne conferta*, white, with a yellow blotch on the lip, was represented by a small plant; a fine plant of *Cypripedium Boxallii* bore eighteen grand blooms; and *C. villosum* was equally well shown. The late-flowering variety of *Cœlogyne cristata*, known as *C. Lemoinei*, was shown in fine form, as also *Odontoglossum triumphans*, the pretty little *O. roseum*, with three spikes, one of which had fourteen flowers; *O. Cervantesii*, the lemon-yellow *Spathoglottis Lobbii*, and *Odontoglossum Lindleyanum speciosum*, &c."

AURICULAS IN APRIL.

They who grow a collection of this "beautiful and fascinating flower" will now find these plants becoming very interesting indeed. They are moving on in a healthy, active growth if they have been well attended to, and the variations they present in the character of the leaf foliage is only second to their beautiful flowers. We would strongly advise any lover of flowers who has not hitherto numbered the Auricula among his favourites to visit and examine any known good collection about the 1st of May. Let him note the plants in respect of habit, foliage, and bloom, and we have little doubt of his arriving at the conclusion that a new pleasure awaits him in the cultivation of this lovely tribe. With early and late varieties, blooms may be had extending over a period of nearly two months, to say nothing of the beautiful foliage which is in perfection eight months out of the twelve. Furthermore, we would advise those commencing to grow the Auricula to make up their minds as soon as they are in possession of anything like a select collection to become a raiser of seedlings, and their delight will be increased a

hundred-fold. Some one has remarked that every true florist must be a raiser of seedlings. In the case of the Auricula, the raiser of a first-rate variety has the satisfaction of knowing it cannot become common in his lifetime. Any one setting out with the intention of raising seedlings should pursue this object as far as possible in a scientific manner, for it is only by hybridising that any one can hope to originate new varieties with improved properties. In all attempts at crossing, it is best to select two flowers of the same class, and strive to add to a flower otherwise approximately perfect the qualities necessary to bring it a stage or two nearer towards this desired end.

As we write Auriculas are growing fast, and are becoming "truss bare," and as the days lengthen and become warmer and drier the supply of moisture must be increased. The plants are now getting the advantage of the top dressing, and as the trusses get above the leaves the plants should be taken to the house in which they are to bloom. As the pips expand some shade from the sun will be necessary; and this is best done with a thin white cloth, something in the way of tiffany. If the frame or house can be covered on the outside, it is best to do so; it can also be done on the inside by taking proper precautions. When the trusses of bloom are approaching perfection, they should be placed in an aspect to receive the morning sun only. On all favourable occasions, when the atmosphere is soft and warm, plenty of air must be given; but if cold northerly or easterly winds prevail they should not be allowed to play on the flowers. The plants should be turned round occasionally for the purpose of causing them to grow regularly on all sides; the surface soil should be stirred, the plants kept free from all decaying leaves; and perfect cleanliness insured. It is these attentions that have so much influence on the well-being of the plants.

WHITE LILAC.

A correspondent of *The Garden* demonstrates how White Lilac can be had at this season of the year. "We have," he remarks, "lately cut this in great quantities, and of the purest white. We dig up large bushes, eight or nine feet high, of the common large flowered purple kind, with good balls, and set them in corners of early vineries and peach houses. A temporary box of bricks is constructed for enclosing soil round their roots. They are kept syringed and watered, like other occupants of the houses, and with the exception of the partial shade obtained from the vine leaves, they have had all the light that there has been. The branches have been tied up to economise space, and, thus bundled together, they have looked like pillars of snow. Lilac produced in this way is preferable to that grown in darkness, as the foliage is of its natural colour, and in the case of flowers, even for table decoration, there is nothing like their own foliage for garnishing."

PLATE 349.

CALANTHE CURCULIGOIDES.

The genus *Calanthe* comprises a group of evergreen terrestrial plants, with the exception of *C. vestita* and its varieties, and the garden hybrids raised from them, which form a distinct group of deciduous types, and are of great value as decorative plants in winter.

We are indebted to Mr. B. S. Williams, Victoria Nursery, Holloway, for our illustration of *C. curculigoides*. It is a very rare species, and seldom found in collections. The plant from which Mr. Fitch's drawing was made bloomed in the collection of orchids belonging to Captain Shaw, of Buxton. Mr. Vartrey, Captain Shaw's gardener, informs us that the specimen was grown in a warm house in a soil composed of loam and peat, and with plenty of drainage. The plant was kept as near the light as possible, but shaded from the burning sun, as the foliage being tender in the young state soon becomes injured when subject to the direct rays of the sun.

PLATE 350.

ABUTILON, "LOUIS VAN HOUTTE."

This very fine variety is one of the *A. Darwinii* group, and is remarkable for its bold foliage, and very large and massive flowers, which possess a very striking character. It is a new continental variety that flowered the first time in this country in the large collection grown during the past summer in the Chiswick Gardens of the Royal Horticultural Society, by Mr. A. D. Borun, the society's superintendent. When in flower it was thought to be the finest variety of the *Darwinii* section, and has large and finely expanded flowers of a pale purple colour, pencilled with dark lines; the foliage and habit of growth being robust and very free.

There are many of the newer forms of *Abutilons* that would make most acceptable Exhibition plants at the Horticultural Shows held during the months of August and September. We might specially mention the variety now figured; also *Boule de Niège*, white; *Louis Marignac*, pale pink, tinted with salmon; *Rosæ florum*, salmon rose; *Reine d'Or* and *Lemoinei*, yellow; and a distinct form named *Beranger*, the flower yellow with distinct red stripes.

PLATE 351.

NEW PERPETUAL CARNATIONS.

The five new varieties of perpetual-flowered carnations forming this plate are from the collection of Messrs. E. G. Henderson & Son, Pine Apple Place Nursery, Maida Vale, W. They are all charming varieties, giving some new tints and combinations of colour in tree carnations. They are all sweet-scented, more particularly Irina, which makes these pretty and useful flowers all the more valuable. There is a great demand for these carnations: last year this well-known nursery firm raised 6000 plants. The cuttings are struck during January and up till the end of February in a gentle heat, and when rooted are placed in a cool house and potted on as required, and gradually hardened off to bear exposure in a cold frame when the weather suits. During the summer (the plants being by this time potted in forty-eight pots) they are plunged in a bed of cocoa fibre, or spent hops in the open ground, care being taken the plants do not become dry. Old plants are cut back after flowering, then allowed to break, and planted out in the open border, reducing the ball of roots at the same time; in the autumn they are lifted, potted, and placed in a cold frame, and supply cuttings for propagating purposes.

PLATE 352.

NEW FANCY PANSIES.

Some twenty years ago, when the Fancy Pansy was in its infancy, and English florists were awakening to the fact that the French varieties which then formed a very small collection were capable of improvement, it was predicted that in course of time they would become a popular class of flowers. This prediction has been abundantly fulfilled. These Fancy Pansies have one great advantage over what is known as the English Show Pansies, that they are of more vigorous constitution and a freer growth, and well-established plants flower profusely.

The three varieties now figured are from the fine collection in the hands of Messrs. Downie & Laird, Nurserymen, Edinburgh. This well-known firm sometimes sends to the early Summer Exhibitions held in London, collections of cut blooms of their Fancy Pansies, and visitors are much struck with the great size and massiveness of the flowers and their rich and striking colours. Whether grown in pots or cultivated in the open border, these Fancy Pansies are singularly attractive, and they cannot be too highly recommended to all lovers of hardy flowers.



Wm. Fitch del. et lith.

Bot. Soc. N. Y.

GALANTHE LUCULICOIDES

Fl. of the East.



J. Nugent Fitch del. et lith.

Vincent Brooks Day & Son. Imp.

ABUTILON LOUIS VAN HOUTTE.

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5, Henrietta St. Covent Garden.



J. Nugent Fitch del. et lith.

NEW PERPETUAL CARNATIONS.

Vincent Brooks Day & Son, Imp.

1 Day Break. 2 Lydia. 3 Augustina. 4 Lillie. 5 Irma.

FLORAL MAGAZINE NEW SERIES

L. Reeve & Co. 5, Henrietta, St. Covent Garden.



J. Nugent Fitch del et lith.

NEW FANCY PANSIES.

Printed by Brooks Day & Son, Imp.

1 Miss Minne Methven. 2 M^{rs} E. H. Wood. 3 E. K. Mitchell

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5, Henrietta, St. Covent Garden.

THE FLORAL MAGAZINE.

NEW SERIES.]

MAY, 1879.

[No. 89.]

HORTICULTURAL EXHIBITIONS.

ON the 25th of March a meeting of the Royal Horticultural Society was held, at which Cyclamens, Hyacinths, and Spring flowers were invited, and an extremely pretty show resulted. Among the rather more numerous batch of novelties than usually puts in appearance, were the following fine things, which were awarded First-class Certificates of Merit:—Hyacinth, King of the Reds, figured in the present number of the *Floral Magazine*; Hyacinth Leviathan, lively fleshy pink, a very pretty and attractive variety, included among the single reds, producing a bold and massive spike; Hyacinth, The Sultan, rich bright plum-purple, a unique and novel variety of great merit; Hyacinth, Duchess of Connaught, delicate single blue, a new and pleasing shade among a number of splendid single Hyacinths of this character; and Hyacinth, Salmon King, salmon-pink, a new and novel shade of colour, delicate and very attractive, spike fine and striking. All these came from Messrs. James Veitch and Sons, King's Road, Chelsea; who also had the same award for Amaryllis, Mrs. Baker, a very fine form of great size, and singularly bold and handsome rounded petals; the colour rich bright crimson.

In a group of Cyclamen Persicum, staged by Mr. H. B. Smith, Ealing Dean Nursery, appeared C. Queen of the Belgians, figured in the present number, to which a First-class Certificate of Merit was awarded for its valuable qualities. From Messrs. Hovey and Co., Nurserymen, Boston, U.S.A., came some new Camellias, remarkable for novelty of character and exquisite symmetry of form, to two of which First-class Certificates of Merit were awarded—viz., C. M. Hovey, dull, yet bright red, a somewhat new and striking shade of colour; and Mrs. Hovey, delicate pink, very pleasing indeed, and one that is likely to become very popular; indeed, both these new forms will, no doubt, be generally cultivated as soon as they are sufficiently distributed. We hope to figure these in our columns before long. To Azalea, Duke of Connaught, exhibited by Mr. B. S. Williams, Victoria Nursery, Holloway, a similar award was made. This is a hybrid of the Amoena type, and gives us a hose and hose flowered variety among Azaleas, the flowers are small, and of a deep maroon-crimson colour, and it promises to make a very effective decorative plant. Other flowers similarly certificated were Hybrid

Tea Rose, Madame Alexander Bernaix, a beautiful Continental variety, having large finely-shaped globular blossoms of a bright pink colour, and promising to make a splendid variety for forcing; from Mr. C. Turner, Royal Nursery, Slough. To Galanthus nivalis Melvillei, a robust growing Snowdrop of fine proportions and pearly whiteness, raised by Mr. Melville, Dalmeny Park, Edinburgh. To Davidsonia pruriens, an elegant and singularly curious saxifrageous plant; from Mr. William Bull, King's Road, Chelsea. To Primula rosea, a new introduction from Kashmir, of dwarf growth, and bearing large flowers of a pretty, rosy-pink hue; from Mr. T. S. Ware, Hale Farm Nursery, Tottenham. Mr. Fitch has made a faithful drawing of this charming species, which we hope to give in an early number. Among other novelties to which no award was made, should be mentioned Salvia albocœrulea, a showy species with cobalt-blue flowers; Salvia elegans, ruby crimson, a bushy-growing and free-flowering greenhouse shrub; and Prostanthera lasianthos, an interesting and pretty greenhouse shrub, introduced from Australia so far back as 1808, and having purplish-lilac labiate flowers produced in terminal clusters. These came from Mr. C. Green, gardener to Sir G. Macleay, Bart., Bletchingley, to whom the Royal Horticultural Society is much indebted for many interesting subjects by no means commonly cultivated.

The first Spring Show of the Royal Botanic Society took place on March 26th, and, as usual, many new things were brought to the notice of the Society. First-class Certificates of Merit were awarded to Hyacinth Duke of Connaught, figured in the present number; Royal Blue, single blue, with a light centre to the bells, and the broad segments shaded with violet along the margins, a distinct and decided acquisition; Prince Imperial, single blue, colour cobalt slate blue overlaid with a shade of rose; Duchess of Connaught, single blue, described above; Duke of Norfolk, semi-double blue, the margins of the segments shaded with violet, a distinct and fine variety; King of the Reds, figured in the present number; Salmon King, pale salmon-red; Lord Derby, single red, the segments edged with pink, large bells, and a bold and well-formed spike; and McMahon, single yellow, of a deep primrose shade, and good close spike. All these came from Messrs. James Veitch and Sons, King's Road, Chelsea. The same award was made to the following novelties:—Cyclamen Persicum,

The Gem, white shaded with pink, and crimson at the base, a fine variety, with broad, well-rounded petals; from Mr. Henry Little, Hillingdon Court, Uxbridge. *Cyclamen Persicum*, Duke of Connaught, a fine addition to the Giganteum section, with large, well-formed rosy-hued blossoms, with a rich crimson base; from Mr. H. B. Smith, Ealing Dean Nursery. H. P. Rose, Charles Darwin, a full, well-built, deep maroon-coloured flower, not overburdened with scent, but yet a good and useful flower; from Messrs. Paul and Son, the Old Nurseries, Cheshunt. And to the following *Cinerarias*, from Mr. J. James, Redlees, Isleworth, for *Cinerarias*, Master Harold, having a bold rosy-crimson margin and a white ring round the disc; Mrs. Bland, an edged flower with a rosy-purple margin, and black disc; and Earl of Beaconsfield, a rich velvety-purple self of fine form.

At the meeting of the Royal Horticultural Society, on April 9th, attractive novelties were again to the fore, several things being staged of great interest. A First-class Certificate of Merit was awarded to Sir Trevor Lawrence, Bart., M.P., Burford Lodge, Dorking, for *Masdevallia Bella*, described by the *Gardener's Chronicle* as an extraordinary species of the Chimera type, with two large, triangular-shaped, shining, dark-brown, yellow-spotted flowers, with three brown tails in each flower, measuring six inches in length, and a white labellum; certainly a most unusual form, the culture of which did much credit to Mr. Spyers, Sir Trevor's Orchid cultivator. A similar award was made to *Dendrobium Crassinode*, var. *album*, also from Sir Trevor Lawrence, a white flowered form of this beautiful and distinct Indian species, with a lemon-coloured blotch at the base of the lip. Another fine new Orchid was *Cælogyne Ocellata Maxima*, to which a First-class Certificate was awarded. This is a white flower species with yellow blotches on either side of the base of the lip, and a transverse yellow bar across its centre. This came from Mr. B. S. Williams, Victoria Nursery, Holloway. The new *Dendrobium Brymerianum*, shown by Messrs. James Veitch and Sons, Chelsea, attracted much attention. It is a most distinct and strikingly curious Dendrobe, and this particular specimen was considered to be the finest in the country. At the time it was shown it had some two dozen blooms, the colour of a rich orange shade of yellow, and the more remarkable for the broad, deeply-lacinated, beard-like character of the lip, a distinguishing feature which, according to the description given of it by Professor Reichenbach, in the *Gardener's Chronicle* in 1875, gave him a little "shivering of fright," and "caused him to be suspicious as to whether the plant would prove constant in its

originality or turn out to be a monster of a species quite unknown." It has, however, remained true to the original character in which it was first presented to view to the Professor. This was awarded a First-class Certificate of Merit. The same firm had a similar award for *Amaryllis*, Duke of Connaught, a fine, smooth, dark crimson flower of medium size, remarkable for its splendid colour, its striking white centre, and fine form.

The same award was made to *Chionodoxa Lucillæ*, shown by G. Maw, Esq., of Broseley, and Messrs. Barr and Sugden, King Street, Covent Garden. This was introduced from Asia Minor by Mr. Maw, and it is much like an early dwarf *Scilla* in appearance, but said to far surpass any of the Squills, and apparently as hardy and as easy to increase as *Scilla Sibirica*. The colour of the flowers is bright sky-blue, fading to white in the centre of the blossoms, which are about two inches in diameter, five or six in number, and thrown well up to the sun. The foliage is very like that of *Scilla Sibirica*, but somewhat shorter.

Other novelties comprised *Mackaya Bella*, a South African Acanthaceous plant, a specimen of which, more than six feet high and four feet through, is flowering freely in a warm greenhouse in the garden at Pendrell Court, the residence of Sir George Macleay, Bart., the exhibitor. The flowers are campanulate in shape, delicate pale lilac in colour, and produced on pendant terminal racemes, four to six inches long. The same exhibitor had cut blooms of the old deep crimson-flowered *Abutilon Venosum*, remarkable for its rich colour. Mr. Green, Sir George Macleay's able gardener, is constantly bringing some fine old plants to the meetings of the Society, and so continuing a knowledge of them. From Mr. J. Woodbridge, Syon House Gardens, came a fine plant of the old Brazilian *Cyrtopodium Punctatum*, a stately orchid with long curved leaves, and four immense spikes of brown-spotted yellow flowers. A few other novelties were shown, but the foregoing comprises those of a most valuable character.

NEW HARDY PRIMULAS.

In addition to *P. Rosea*, named above, the Royal Horticultural Society have this season flowered at their Chiswick Gardens a pretty deep purplish-lilac form, under the name of *P. Cashmeriana*, and quite the type of *P. Denticulata*; also a deep purple-flowered form from Sikkim, which promises to be an improvement on the Himalayan *P. Purpurea*, but with somewhat different foliage, and redder flowers.

PLATE 353.

CYMBIDIUM LOWIANUM.

This beautiful novelty, which attracted so much attention at the meeting of the Royal Horticultural Society, on March 11th (when it was exhibited by Messrs. H. Low & Co., of the Clapton Nurseries, and awarded a First-class Certificate of Merit), is considered by Professor Reichenbach to come near to *C. giganteum* and *C. longifolium*. It is thus described by this authority in the *Gardener's Chronicle*:—"The large flowers have sepals and petals green, with a few faint sepia-brown lines on the strongest nerves. These organs get more pallid by-and-by, changing to a yellowish-green. The lip is whitish-yellow, disk of anterior lacinia in the beginning purple, later maroon-brownish purple, with a very narrow pallid border, and there are some purple spots on the base of the lip. Calli washed on their anterior parts with purple. The anterior part of the base of the column has a few spots."

Notwithstanding the prevailing hue of green in the sepals and petals it is of a very attractive order, being bright and pleasing, and it contrasts admirably with the deep-coloured lip. Mr. Fitch has made an excellent drawing of this fine novelty.

PLATE 354.

CAMELLIA MADAME DE STREKALOFF.

This beautiful variety is a Continental seedling of comparatively recent introduction, and occupies a high position among its class, no less on account of the softness and purity of its colour, than of the size and regularity of its flowers, the excellence of its habit of growth, and the freedom with which its blooms are produced. Their colour is of a delicate shade of peach, with occasionally a band of a paler tint running down the centre of each petal, altogether most distinct from any other variety. The foliage is ample and handsome, the growth free and vigorous.

We are indebted to Messrs. William Paul & Son, Paul's Nurseries, Waltham Cross, for the opportunity of figuring this beautiful Camellia. It was seen to fine advantage in a very large collection of cut blooms shown by this well-known firm at a recent meeting of the Royal Horticultural Society.

PLATE 355.

NEW VARIETIES OF CYCLAMEN PERSICUM.

In order to illustrate the great improvement made in the *Cyclamen persicum* during the last few years, we have the pleasure of introducing a group of five new varieties from the extensive collection of Mr. H. B. Smith, Ealing Dean Nursery, Ealing, W. To three of these the Royal Horticultural Society this season awarded First-class Certificates of Merit—viz., Queen of the Belgians (fig. 2), pure white throughout; a variety as remarkable for the excellent shape and stoutness of the petals as for their snowy purity of colour; this is the finest white *Cyclamen* yet raised. *Picturatum* (fig. 4), one of the fine large-flowered types, white suffused with pink, and having a rich claret-purple base, very fine smooth petals and superb appearance. *Crimson King* (fig. 5), is the richest and deepest-coloured *Cyclamen* we have yet seen; and it may be best described as of a rich deep purplish rose hue, with a deep claret base; it is characterised also by fine form and substance. The others, *Duke of Connaught* (fig. 1), and *Mont Blanc* (fig. 3), are also new and fine varieties, and worthy companions of the certificated flowers. A group of flowers of various colours is, perhaps, to be preferred as an attractive picture to one representing a plant, but the latter sometimes becomes a necessity.

PLATE 356.

NEW HYACINTHS.

The two beautiful new Hyacinths, now figured, are from the fine collection of Messrs. James Veitch & Sons, Royal Exotic Nursery, King's Road, Chelsea, who this season bloomed a very large number of new varieties, obtained from every available source opened to them. They are both single varieties, remarkable for the novel shades of colour they possess, and for their handsome and symmetrical proportions. *King of the Reds* (fig. 1) is classed with the single reds, and when at its best is of a deep bright lake in colour, with a distinct white centre to the bells, an exceedingly bright-coloured and striking flower, distancing all other varieties in the single red class for its depth of colour. It is a fine accession to the Exhibition Hyacinths. This variety recently received a First-class Certificate of Merit from the Royal Horticultural Society. *Duke of Connaught* (fig. 2) is included in what is termed the mauve or purple class. It is of a rich, deep-shaded purple colour, much deeper than any other variety in this class, with a peculiar gloss on the spike, which imparts to it a very attractive appearance. Spike large, close, and symmetrical. When this fine variety comes to be distributed, it will find much favour among growers for its rich colour, and its distinct shade and massive proportions.



J. Nugent Fitch del. et lith.

CYMBIDIUM LOWIANUM

Vincent Brooks Day & Son, Imp

FLORAL MAGAZINE NEW 1865.

I. Reev & Co. F. Hennrich. St. Covent Garden.



J. Nugent Fitch del. et lith.

CAMELLIA MADAME DE STREKALOFF

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5, Henrietta St. Covent Garden.



J. Nugent Fitch del. et lith.

Vincent Brooks Day & Son, Imp.

NEW VARIETIES OF CYCLAMEN PERSICUM

1 Duke of Connaught. 2 Queen of the Belgians. 3 Mont Blanc. 4 Picturatum. 5 Crimson King.

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co 5 Henrietta St. Covent Garden



Nugent Fitch del et lith.

Vincent Brooks Day & Son, Inq

NEW HYACINTHS

1 King of the Reds, 2 Duke of Connaught.

FLORAL MAGAZINE NEW SERIES

L. B. & Co. F. H. & Co. F. H. & Co. F. H. & Co.

THE FLORAL MAGAZINE.

NEW SERIES.]

JUNE, 1879.

[No. 90.]

HORTICULTURAL EXHIBITIONS.

THE flood of novelties has set in with vigour, and the meetings of the Royal Horticultural and the Royal Botanic Societies testify to the numbers in which they are produced. We take up our record at the meeting of the Royal Horticultural Society, on April 22nd. *Hymenocallis macrostephana*, a white flowered plant, allied to *Pancratium*, from the Duke of Northumberland, Syon House, and supposed to be a garden hybrid, probably between *Hymenocallis caribæa* and *Ismene Calathina*, was awarded a First-class Certificate of Merit; and the same award was made to the following:—*Asparagus plumosus*, a handsome South American species, introduced about three years ago; *Hibiscus rosa-sinensis* *Schizopetala*, the petals deeply fringed, and the flower not unlike that of a huge rose-flowered *Clarkia*; *Psychotria* (*Glouera*) *jasminiflora*, a stove shrub, with laurel-like leaves, and trusses of white jessamine-like flowers; and *Lælia flammea*, a hybrid between *L. cinnabarina* and *L. Pilcheriana*, having dark orange scarlet flowers, with a crimson apex to the lip: all from Messrs. James Veitch & Sons, King's Road, Chelsea. To *Primula platypetala plena*, a bright violet, double-flowered Primrose, known also as *lutescens plena* and *Arthur Dumoulin*; a variety that, like the crimson-purple double variety, throws up a flower scape: from Messrs. James Veitch & Sons, Messrs. Paul & Son, Cheshunt, and from Mr. R. Dean, Ranelagh Road, Ealing. To *Gloxinia* Mrs. Bause, a flower of tremendous size and splendid form, clear white in colour, with a broad ring of bright rose at the apex of the throat or tube: from Mr. John Wills, Onslow Crescent, South Kensington. To a very fine, deep rosy violet-flowered *Primula*, shown under the name of *P. ciliata*; the identification of which seemed to be a matter of some uncertainty, but is referred to some competent authority: from Geo. E. Wilson, Esq. To a new and very-free flowering pure white Lilac, shown under the name of *alba-grandiflora*, supposed to be a sport from the large flowered Charles X., and certainly a fine companion to it: from Mr. Denning, gardener to Lord Londesborough. To a seedling *Narcissus*, raised by Mr. Leeds, named *N. incomparabilis albidus expansus*, rather paler in colour than the type, with a larger and more spreading crown: from

Messrs. Barr & Sugden, 12, King Street, Covent Garden.

Some discussion having taken place in regard to the awards of the Floral Committee, it has been resolved to institute a new one—namely, a Certificate of Merit; and this was awarded to *Echium fastuosum* *Decaiseanum*, a plant suitable for a cold greenhouse, with lanceolate leaves, and a noble dense spike of rich purple flowers. This came from Mr. Green, gardener to Sir George Macleay, Bart., Bletchingley. An object of some interest was present in *Adiantum Farleyense*, var. *Alicorne*, “a curious and interesting sport from *A. Farleyense*, affected by what is usually called the marginate type of variation, in which a thickening and protrusion of the epidermis of the lower surface takes place. The effect of this, in the present case, is to split up the pinnules into broadish and unequal lobes, which are, in many cases, suggestive of the form of an elk's horn, whence it may very appropriately be designated by the name adopted.” From Mr. Parr, gardener, Gernons Grove, Leatherhead, came a new yellow *Abutilon* of considerable promise, named *King of the Yellows*.

The show of the National Auricula Society (Southern Section) was held in connection with this meeting, and First-class Certificates of Merit were awarded to the following fine new varieties of Auriculas:—Grey Friar, a large grey-edged flower oversized as shown, and rather weak in the tube, the body colour dark purple: from J. T. D. Llewelyn, Esq. Ringdove, a lovely dark self of a deep violet crimson maroon hue, raised between C. J. Perry and Pizarro, both fine self flowers: from the Rev. F. D. Horner, Kirkby Malzeard, Ripon; and to Alpine Auriculas A. F. Barron and Duchess of Connaught; the former, bright rosy violet, shaded with mauve; the latter, rich reddish maroon, shaded with rosy violet; both very fine, and distinct varieties.

At the meeting of the Royal Botanic Society, on April 23rd, the most attractive novelties were *Croton Hawkeri*, a distinct new species, with the stem and leaf-stalks, and the greater portion of the leaf creamy-white, margined with pale green at the apex in the form of an arrow: *Odontoglossum odoratum*, a New Grenadan species, with hawthorn-scented flowers of a yellow ground colour, heavily spotted with brown: *O. Ruckerianum*, from the same habitat, having white

sepals and petals bordered with violet, and spotted with brown; and the lip yellow at the base and spotted with brown: and *Oncidium Keinastianum*, a novelty in the way of *O. Papilio*, with shining chocolate-brown flowers, relieved with a blotch of yellow at the base of the lip; all from Messrs. James Veitch & Sons, and awarded First-class Certificates of Merit. To *Geonoma concinna*, an elegant pinnate-leaved Palm, with the youngest leaves of a rich dark brown colour; *Kentia Wendlandiana*, a fine, bold-habited Palm; *Thrinax barbadense*, a handsome palmate-leaved Palm, with the long slender leaf-stalks marbled with small silvery spots mixed with black spines: *Phaius Blumei*, a strong growing plant with pale cinnamon-red flowers, and a large white lip produced on a strong spike: and to *Dendrobium nobile atropurpureum*, a large flowered variety, in which the sepals and petals are shaded with rich rosy purple. These came from Mr. William Bull, King's Road, Chelsea. To *Catakidozanna Hopei*, a magnificent cycadaceous plant, introduced from Eastern Australia: *Croton Dormanianus*, a close growing form with recurved, broad, dark green leaves, with crimson and orange-coloured midrib and venation: and *Croton Henryanus*, a bold, free-growing, large, broad-leaved form, with the older leaves of a dark metallic bronze colour, and the young ones deep crimson or bronzy crimson; all from Mr. B. S. Williams, Victoria Nursery, Holloway. First-class Certificates of Merit were also awarded to Mr. H. Parr, for his yellow *Abutilon King of the Yellows*: to Mr. H. Boller, for *Echino-cactus Pfeiferi*: to Mr. C. Turner, Slough, for *Alpine Auriculas Unique*, *Susie Matthews*, and *Mrs. Ball*; all fine new shaded forms of great beauty; to H. Little, Esq., Hillingdon, for *Amaryllis Hercules*, with large bold clear scarlet flowers: to Mr. B. S. Williams, and for *Amaryllis Queen Victoria*, a good white variety with a pale greenish centre.

Some very interesting and valuable novelties were produced at the meeting of the Royal Horticultural Society, on May 13. The new varieties of *Azalea mollis*, exhibited by Messrs. James Veitch & Sons, were surprisingly fine and varied in colour; and to one of these, namely, *Comte de Gomer*, soft rosy salmon, faintly shaded with orange, a First-class Certificate of Merit was awarded. The same award was also made to the following novelties, staged by this well-known firm:—*Azalea pontica* var. *narcissiflora*, with clear yellow hose-in-hose flowers, having somewhat pointed segments; *Croton Princess of Wales*, said to have

come from the South Sea Islands, the long twisted leaves being of a pale creamy white colour, margined with dark green. *Ranunculus Lyalli*, a beautiful and rare New Zealand crowfoot, known as the Rockwood Lily of New Zealand, with large saucer-shaped pure white flowers, with a central tuft of golden yellow stamens: it is thought it will prove hardy in suitable positions, but it is said to be a little difficult to cultivate: and to a Hybrid *Dendrobium*, named *rhodastoma*, the result of a cross between *D. Huttoni* and *D. Sanguinolentum*, but scarcely attractive in the form in which it was shown. The same award was made to *Amaryllis Mrs. Morgan*, a very pleasing variety of a dark crimson colour, the segments handsomely margined with white: to *Dracæna superba*, with narrow arching leaves of a rosy-crimson colour, the older leaves taking on a dark bronzy hue, promising to make a good tale plant, if not too diffuse in its growth: and *Cupania elegantissima*, a pretty and distinct Palm, likely to make a good decorative plant. These came from Mr. B. S. Williams, Holloway. To *Primrose Golden Gem*, a deep yellow variety raised by Mr. William Ingram, Belvoir Castle Gardens, and very useful for spring bedding; from Messrs. Osborn & Sons, Fulham: to *Polyanthus* (Hose in Hose) *Prince of Orange*, with charming orange-coloured blossoms, very free and distinct, from Mr. Richard Dean, Ealing: to *Begonia Comtesse H. de Choiseul*, a new tuberous-rooted variety with full double male flowers, opening fleshy pink, then changing to white, and finally to an orange-tint; from Messrs. John Laing & Co., Stanstead Park Nursery, Forest Hill: to *Arnebia Echioides*, a hardy rock plant from Asia Minor, with orange-coloured Primrose-like flowers, each division of the segments having a black spot on opening, which fades with age; from H. J. Elwes, Esq., Preston House, Cirencester; who also had a Certificate of Merit for cut flowers of *Tulipa saxatilis*, a most distinct and interesting plant, the flowers pink, with the base of the petals orange yellow; and to *Selaginella Kraussiana*, the foliage like that of *S. denticulata*, but of a charming golden colour; from the gardens of the Royal Horticultural Society. Many other novelties were staged, but we have indicated the cream of them, and those that were most deserving of the awards usually made to novelties of sterling character.

PLATE 357.

AZALEA, EMPRESS OF INDIA.

This new double variety, raised by M. A. Van Geert of Belgium, and in course of distribution by him, had made a great reputation on the Continent before it was submitted for critical inspection at the meeting of the Royal Horticultural Society early in March last, when it was awarded a First-class Certificate of Merit. This award was in confirmation of the first prize which was won by this distinct Azalea at the International Horticultural Exhibition held in Ghent in March, 1878. It is, we believe, the first double form of a variegated Azalea yet produced; the flowers having a salmon-rose and carmine base, and a broad edging of pure white; large and full, and freely produced; while the habit of growth is robust, and yet short-jointed and compact.

Double Azaleas are finding great favour, because so useful to cut from, the blossoms being so much more durable than the single flowers. This is a matter of some moment, as the Azalea is much grown for cutting purposes in early spring. This new variety will be a fine decorative subject, and we shall be safe in predicting for it a large share of favour as an exhibition plant.

PLATE 358.

PHALÆNOPSIS ESMERALDA.

This charming species is at the very antipodes of *P. grandiflora* and *P. Schelleriana* in regard to the qualities of size and grandeur; and yet it is so pretty, distinct, and attractive as to well deserve Professor Reichenbach's eulogium, as being a "lovely gem." The flowers are said to equal those of *P. equestris*; they are of a brilliant amethyst colour, the erect spikes, which are about a foot in height, having as many as from twelve to twenty blossoms, according to the strength of the plants. It is a stove epiphyte, and a native of Cochin China. The plant from which our drawing was made flowered in the collection of Messrs. James Veitch and Sons, Royal Exotic Nursery, King's Road, Chelsea.

It is one of those small but interesting forms that will find favour among many cultivators of orchids. It has been a passion with some to accumulate collections of orchids of this character; and it is well it is so, as many subjects are thereby preserved that are not generally cultivated. The rich colouring in the flower of *P. esmeralda* will gain for it a large share of favour, which it really deserves.

PLATE 359.

AMARYLLIS—MRS. RAWSON.

We are indebted to Mr. B. S. Williams, Victoria Nursery, Holloway, for the opportunity of figuring this fine new variety. At no previous time was rearsers of Amaryllis so active in producing new varieties as now; and at the spring meetings of the Royal Horticultural Society a group of these splendid flowers is certain to be present; and not unfrequently some exceptionally fine form is selected for a First-class Certificate of Merit.

A few years ago Mr. B. S. Williams said of the Amaryllis, in one of his books—"Like many other bulbous plants, they have gone out of fashion, and have been far too much neglected in this country of late years, but their value is now again beginning to be appreciated." Why they should ever have fallen into such neglect it is difficult to understand, for they are most accommodating in their nature, being suitable plants for growing either in the stove, greenhouse, or fernery; and as they are dried off and at rest part of the year, they require very little space, for during the resting period they may be stowed away in any dry cool place. In addition to this, when in bloom, they are remarkably showy, the flowers being large, and richly and gorgeously coloured."

We are glad to note evidences of the increasing interest in this splendid flower, and feel it to be our duty to give an occasional representation of some of the best new types.

PLATE 360.

NEW HARDY PRIMULAS.

The two new Primulas forming the subjects of this plate were obtained from seed sent home from Cashmere in 1877 or 1878. The seed was distributed among several persons, and the plants obtained bloomed in several quarters at the same time. *P. Cashmeriana* (fig. 2) is better known and more widely distributed than *P. rosea* (fig. 1). It may be said to belong to the *P. denticulata* section, flowering similarly with this well-known species, both in regard to time and character, but with blossoms of a deeper hue of colour than we have yet found in *P. purpurea*, which is an improved type of *P. denticulata*. *P. rosea* is a very distinct and beautiful species, with large flat flowers produced in showy trusses; the colour bright-pale rosy pink. The two subjects figured were sketched by Mr. Fitch, from quite small seedling plants; but while there is reason to believe another year's growth will present them in a more striking character, the illustration serves to show something of their character. They are both charming subjects for growing in pots to bloom in early spring under glass.

We are indebted to Mr. A. F. Barron, of the Royal Horticultural Society's Gardens, Chiswick, for the subjects forming our plate.



J. Nugent Fitch del. et lith.

Vineyard, N. Y. 1876.

AZALEA. EMPRESS OF INDIA.

PLANTING AND CULTIVATION
OF THE AZALEA



Robert Fitch del. et lith.

Vincent Brooks Day & Son. imp.

PHALAENOPSIS ESMERALDA

FLORAL MAGAZINE NEW YORK

L. Beeve & Co. Horticult. Illustrations



J. Nugent Fitch del et lith.

Painted by Mrs. A. S. Rawson

AMARYLLIS MRS RAWSON

FLORAL MAGAZINE NEW SERIES

J. Rees & Co. Publishers, St. Lovent Garden



J. Nugent Fitch del. et lith.

NEW HARDY PRIMULAS

Vincent Brooks Day & Son. Imp.

1. Rosea. 2. Cashmeriana.

FLORAL MAGAZINE NEW SERIES.

LONDON: W. & A. G. & S. 1881.

THE FLORAL MAGAZINE.

NEW SERIES.]

JULY, 1879.

[No. 91.]

HORTICULTURAL EXHIBITIONS.

WHAT is described as the first summer show of the Royal Botanic Society of London took place on May 21st, and, as is generally the case, a large number of First-class Certificates of Merit were awarded. Messrs. Veitch & Sons had the following plants, which received that award:—*Cypripedium Lawrenceanum*, a species from Java, with rather pretty flowers composed of a shaded chocolate lip, and narrow shining brown petals, and sepals of bright green, shading off at the edging into a paler tint; *Tillandsia Zebrina major*, with bright scarlet bracts and a flower-stem a foot in length; *Dracæna Laingi*, an erect growing form with the younger leaves of a dull straw-yellow colour, the older ones green, rose, and brown; *Doodia aspera multifida*, a crested form of this fine erect growing Australian Fern; *Erythrina marmorata*, a beautiful white, yellow, and green ornamental-leaved plant; *Ranunculus Lyallii*, *Rhododendron Duchess of Teck*, with soft nankeen and orange-coloured flowers; *Azalea pontica narcissiflora*; *A. pontica Graf von Morau*, pretty salmon-pink, very pleasing; *A. Mollis Comte de Gomer*, salmon-rose; *A. Mollis Baron Constant Rebecque*, yellow, with buff spots; and *Gloxinia Duchess of Connaught*, a fine erect flowering form, the throat rich purplish crimson, the lobes broadly margined with white. Mr. William Bull had First-class Certificates of Merit for *Cycas pluma*, *C. siamensis*, *Croton Dormannianus*, a finely variegated form; *C. Evansianus*, one of the new trilobate types, the old recurved leaves of a warm bronzed colour veined with crimson; the younger ones green, with yellow veins; *Oncidium tetracopes*, a handsome novelty in the way of *O. crispum*; *Cattleya Skinneri alba*; *Emephalartos Hildebrandtii*; *Asparagus gracillimus*, *Sarracenia atrosanguinea*, in the way of *Drummondii*, but mainly differing in the dark blood-red colour of the lids; *Spirea nivosa*, a hardy Japanese species, with pretty slender spikes of white flowers; and to the following new types of *Coleus*: *Empress of Germany*, the leaves of a bright reddish tint, having a slight edging of gold; *Starlight*, having wavy edged leaves of a deep rosy hue margined with yellow; *Harlequin*, the foliage very grotesquely marked with various tints, quite distinct from any we have seen; and *Butterfly*,

having rosy-tinted leaves edged with pale yellow and deeply toothed. The same award was made to the following subjects shown by Messrs. E. G. Henderson & Son: *Phædranasa chloraca vera*, a bulbous plant, with long tubular shaped flowers of the colour of sealing-wax, and tipped with green, produced in umbels on tall-growing stems; and *Pteris cretica gigantea*, a very robust and highly-ornamental variety. To Mr. B. S. Williams for *Croton Burtoni*, a long-leaved form, bright green, with well-marked golden variegation; *Cupania elegantissima*, a decorative plant of graceful habit, something like a cycad in appearance; and for *Asplenium horridum*, a distinct form with broad fronds, the stripes of white, and covered with a fulvous, downy substance. To Messrs. Osborn & Sons, for *Caladium L'Albane*, with soft rose-coloured leaves almost transparent, veined with bright green. To Messrs. John Laing & Co., for *Begonia Comtesse H. de Choiseul*, described in our last number; *J. H. Laing*, very bright vermilion, large and very fine; and *Marie Bouchet*, deep bright reddish cerise, with lacinated petals, very fine. To Mr. Henry Hooper, Bath, for *Fancy Pansy Champion*, a fine white variety with a large deep purple centre.

The Great Exhibition of the Royal Horticultural Society, held on May 27th, in itself a splendid show, was the means of bringing together but very few novelties to which First-class Certificates of Merit were awarded. Messrs. Veitch & Sons had First-class Certificates for *Azalea pontica Graf von Morau*, white and delicate pink double-flowers, large trusses, a fine decorative plant; *Gloxinia Duchess of Connaught*, and *Croton Evansianus*. The same award was made to Mr. Charles Turner, Royal Nursery, Slough, for *Azalea Madelina*, having large white semi-double flowers, the petals stout and finely formed; a very free blooming variety. To Mr. R. Dean, Ranelagh Road, Ealing, for *Polyanthus superbus*, having rich bright chocolate crimson flowers of fine form, and a bright golden centre; and for the pale yellow-coloured *Primula Sikkimensis*, which bears pale yellow pendent flowers, on a tall stem. To H. J. Elwes, Esq., Cirencester, for *Frittilaria recurva*, a species from California, and considered one of the most beautiful of all the cultivated kinds. Its stems grows from eight to nine inches in height, and are terminated by several drooping bell-shaped blossoms, which have

recurved segments varying in colour from pale reddish-orange to bright orange, copiously spotted in the inside with bright red in the finest varieties; and for *Cypripedium pubescens majus*, a large-flowered form of this handsome hardy ladies' slipper, and a very desirable acquisition for the bog garden and other damp places. Primrose Cloth of Gold, a very fine double form of the common Primrose was shown by Messrs. James Carter & Co.; some flowering plants of the Nepalese Poppy, *Meeonopsis nepalensis*, from the gardens of the Royal Horticultural Society, at Chiswick, were highly recommended; and a dark-flowered form of *Magnolia Soulangeana*, named *Nigra*, from Messrs. Veitch & Sons, found much favour.

At the meeting of the Royal Horticultural Society, on June 10th, First-class Certificates of Merit were awarded to Messrs. John Laing and Co., Stanstead Park, Forest Hill, for *Begonia* J. H. Laing, very rich vermilion scarlet, large and finely formed; *Madame Bouchet*, described above; and *Clovis*, pale orange-cerise, with here and there a dash of white, very bright and pretty. We hope to figure these shortly. To Messrs. Osborn & Sons, nurserymen, Fulham, for *Begonia Souvenir de Gand*, a large and very fine single variety, deep bright-red in colour, and beautifully formed. To Messrs. J. & J. Hayes, nurserymen, Edmonton, for Decorative Pelargoniums *Nellie Hayes* and *Maid of Kent*; the former pale blush, with a dark blotch on each segment, which is edged with magenta, very pleasing and pretty; the latter white, with a slight bright magenta spot on the lower petals: both of fine form, and remarkable for their numerous and large trusses of bloom, and fine compact habits of growth. To Messrs. Veitch & Sons, Chelsea, for *Cattleya McMorland*, a large distinct-looking flower, with rosy-pink sepals and petals, and a large lip, white on the apex and along the keel, which intersects two large broad blotches of orange; for *Gloxinia Yakoob Khan*, an erect-flowered variety, with purplish-lilac throat laced with lilac, and heavy spotted; and for *Begonia Mrs. Arthur Potts*, a very dwarf-growing variety of the *B. Davisii* type, with deep crimson flowers. To Mr. B. S. Williams for *Ochna multiflora*, not a new introduction, but both interesting and beautiful; it is "a small shrub, with elegant habit, slender pendulous branches, sessile leaves of oblong form, minutely serrated, and with axillary flowers. The sepals and petals are of a crimson-scarlet colour, reflexed so as to show a thick fleshy scarlet disk, supporting four or five ovoid greenish fruit-lobes or carpels." Such is the description given of this plant

by the *Gardeners' Chronicle*. The same award was also made to Messrs. Dicksons & Co., of Edinburgh, for *Saxifraga Wallaci*, a tufted growing species in the way of *S. Mawearna*, but with flowers rather broader in the petals.

DOUBLE ZONAL PELARGONIUM 'VESTA.'—This is a fine new variety raised by Mr. Thomas Laxton, formerly of Stamford, and awarded a First-class Certificate of Merit by the Royal Horticultural Society, and is in course of distribution by Messrs. Hawkins and Bennett, Lily Nursery, Twickenham. We call attention to it because it is a double-flowered Zonal in the way of *Wonderful*, but of a much richer and brighter scarlet-crimson hue; the foliage deep green, with a well-displayed dark zone; the habit of growth close, short-jointed and yet very free. It is a variety possessing one great advantage, that of opening its flowers in a lower temperature than *Wonderful* will, thus making it better adapted for forcing in winter and early spring. It is a variety that will be eagerly grown for market and all decorative purposes, and will no doubt displace *Wonderful*, which has done good service in its time.

HERBACEOUS CALCEOLARIAS.—A short time since we had an opportunity of inspecting a collection of these, growing at the London Road Seed Nursery of Messrs. Sutton & Sons, at Reading. They represented the fine strain, for which this well-known Seed-house is so famous, in all its beauty, there being also a great variety of colour, and large and handsome flowers of the finest form and substance. Messrs. Sutton & Sons have been selecting the finest flowers for a few years past, and have succeeded in producing a strain, which they denominate their prize Calceolarias, of a vigorous and compact habit of growth, bold and handsome foliage, and robust constitution. This last is a matter of some importance. We have heard gardeners remark that they have tried their hands at growing strains of Calceolarias without constitutional vigour, owing to raisers, in the hurry to get large and finely-marked flowers, altogether overlooking the not less necessary quality of constitution.

PLATE 361.

CATTLEYA TRIANÆ—OSMANII.

This very fine variety of *C. Trianæ* was flowered by Mr. Osman, gardener to R. B. Dodgson, Esq., Beardwood, Blackburn, after whom it has been named. It is regarded by Mr. B. S. Williams, to whom we are indebted for the subjects of our illustration, "as the most gorgeously coloured variety he has ever seen." The sepals and petals are of a clear, soft, rich, pinkish mauve; the lip deep bright purple and gold; margined with pale mauve; the flowers of large size and handsome form. *C. Trianæ* is a very valuable species, and imported plants show much diversity of character; that now figured being one of the most striking.

In regard to the treatment of *Cattleyas* at this season of the year, they prefer thorough soakings of water at long intervals. When these plants are properly potted in the best fibry peat and good sphagnum, with pieces of crocks and charcoal peeping through here and there, it is almost impossible to tell by their looks when they are really dry. If, on the morning of a hot drying day they are thoroughly soaked, by noon the surface of the peat will look as dry as dust, while the roots below will be as wet as possible, having sucked up enough water to last the plants several days. No more water must be given to such plants until the whole mass of compost, roots, and crocks, has become dry.

PLATE 362.

ALPINE AURICULA—DIADEM.

At the Exhibition of Auriculas which took place at South Kensington in April last, this fine variety took a foremost place among the Alpine Auriculas staged on that occasion. It was raised by Richard Gorton, Esq., Eccles, Manchester, and has come to take a leading place among what are known as the Shaded Alpines. It has a pale yellow centre, the marginal colours being deep plum maroon, with a distinct border or shading of reddish crimson; the pip large, flat, and of fine form; the pip of great size, handsome, and symmetrical.

The high-class show Alpine Auriculas differ from the countless border varieties in being flat, circular, bright, substantial, richly shaded flowers of medium size, inclining to large, with round centres of rich gold, or lemon, to creamy-yellow, and utterly free from the slightest deposit of meal thereon. The tube is generally of the same colour as the yellow centre; and the anthers are round the mouth, with the stigma at the bottom, constituting the legitimate "thum-eye," the contrary of the "pin-eye" where the stigma is awkwardly uppermost.

In the north of England only Shaded Alpines are permitted to compete; but in the south Self flowers, *i. e.* with the marginal colour of one shade only, are allowed in the classes for Alpines.

PLATE 363.

RHODODENDRON—COUNTESS OF DERBY.

This beautiful *Rhododendron* belongs to a race of spring-blooming sweet-scented varieties, raised by Mr. Isaac Davies, Brook Lane Nursery, Ormskirk, Lancashire, that are remarkable for their large and handsomely formed white flowers, which are richly fragrant, and produced on quite tiny plants in such numbers as to hide almost any vestige of leaf. Mr. Fitch made his sketch from a plant in quite a small pot; in fact, the drawing is a life-size representation, thus showing that quite small plants flower with wonderful freedom.

This fine variety, with others, was raised from *R. multiflorum* and *R. Edgworthi*, its habit of growth being intermediate between the two parents. The flowers, which are of great substance, and measure from three to four inches in diameter, are pure white, bell-shaped, most deliciously fragrant; and so free blooming that the smallest cuttings bear a truss of flowers. This fine variety, and others, have received several First-class Certificates of Merit.

These *Rhododendrons* do well in a cold house during winter. They are nearly if not quite hardy, but their great value as spring flowering plants demands that they be cared for in a cool house during winter. When they have gone out of bloom, they should be repotted if required, kept in a greenhouse for a time to perfect their growth, and then stood out of doors to set their flower-buds. The freedom with which they flower every year checks anything like a redundancy of growth.

PLATE 364.

HYACINTH—DUCHESS OF CONNAUGHT.

This beautiful single blue Hyacinth is one of a number of new varieties exhibited by Messrs. James Veitch & Sons, Royal Exotic Nurseries, King's Road, Chelsea, S.W., during the past spring. It is a remarkably fine variety in a very strong class—viz., the pale single blues. This peculiar tint of colour is found associated with large and finely-shaped bells, and bold massive spikes of great beauty.

Although there are a number of fine pale blue Hyacinths, the variety now figured has great distinctness of character; the face of the bells is of a delicate shade of blue lilac, the reverse clear sky-blue; and the drawing made by Mr. Fitch gives a very correct representation of the size, density, and symmetrical outline of the spike of flowers. It was accorded a First-class Certificate of Merit by the Royal Botanic Society at its first Spring Show in March last.

We have already stated that the present year has been singularly rich in new Hyacinths; Messrs. Veitch & Sons bloomed scarcely less than one hundred new varieties. Some of them at least are certain to become standard varieties, and among these we give a high position to the subject of our illustration.



Nugent Fitch del et lith.

Vincent Brooks Day & Son, Imp

CATTLEYA TRIANÆ OSMANII

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5, Henrietta, St. Covent Garden.



J. Nugent Fitch del. et lith.

Vincent Brooks Day & Son. Imp.

ALPINE AURICULA "DIADEM"

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5 Henrietta St. Covent Garden.



J. Nugent Fitch del et lith.

Vincent Brooks Day & Son, Imp

RHODODENDRON. COUNTESS OF DERBY

FLORAL MAGAZINE NEW SERIES.

Printed by H. S. G. & Co. in Covent Garden.



Went Fitch del. et lith.

Vincent Brooks Day & Son, Imp

HYACINTH. DUCHESS OF CONNAUGHT.

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5, Henrietta, St. Covent Garden.

THE FLORAL MAGAZINE.

NEW SERIES.]

AUGUST, 1879.

[No. 92.]

HORTICULTURAL EXHIBITIONS.

If the weather proves hostile to Horticultural Exhibitions, it does not prevent the production of novelties, for they appear to be even more numerous than in previous years. We take up our record at the exhibition of the Royal Botanic Society on June 18. As is usual, Messrs. Veitch and Sons, Chelsea, were again to the fore, and received First-class Certificates of Merit for the following novelties:—*Croton Princess of Wales*, an ornamental variety with long drooping leaves, prettily mottled with pale yellow and green, and spirally twisted; *Torenia Bailloni*, figured in the *FLORAL MAGAZINE* a short time ago; *Araucaria Niepreschki*, a novelty in the way of *A. Rulei*, with the scale-like leaves densely imbricated on the branches; for *Begonia* Mrs. Arthur Potts, and *Gloxinia* Mrs. Peplow. The same award was made to Mr. William Bull, King's Road, Chelsea: for *Croton roseo-pictus*, a pretty and distinct form of compact habit, with bold fringe elegantly variegated with green and yellow, the midrib and veins being of a deep rosy-tint; *Eucephalartos Frederici Gulielmi*, a very handsome form; *Lilium purpureum*, a beautiful purple flowered lily, similar to *L. Washingtonianum*, of which it is a variety; *Sarracenia flava-picta*, similar to the type, but with the pitcher-like leaves larger, and the veinings brighter in colour; *Dieffenbachia Leopoldi*, a beautiful plant of good habit, with large bold leaves of a rich green, the midrib being broad and almost white; *Nepenthes Viellardi*, resembling *N. distillatoria* in pitchers and habit, but more deeply coloured in all its parts; *Cespedesia Bonplandii*, a plant of shrubby habit, with large oblong leaves, strongly veined and sharply toothed at the edges; *Blandfordia flava*, a beautiful species, with large bell-shaped flowers of a reddish-yellow tint, borne in umbels; *Bulbophyllum Beccarii*, a very remarkable Orchid, with leaves from one to one and a half feet in length, and from six to nine inches wide, and of leathery texture; *Carludovica Drudei*, a very ornamental palm-like plant, with fan-shaped leaves; *Cereus* C. M. Hovey, a very fine variety, with large red flowers, suffused with a blue tinge; and to *Coleus* Yellow Gem, C. Princess, and C. Duchess of Teck, three fine and distinct varieties with glowing colours on the leaves. To Mr.

B. S. Williams for *Eucephalartos Williamsi*, very like *E. Frederici Gulielmi*, shown by Mr. W. Bull; and for *Lycopodium* species, an elegant Lycopod, in the way of *L. phlegmaria*, growing about one and a half feet high, with the fruiting branching pinnae arranged in a tassel-like manner at the tops of the stems. To Mr. Louis Van Houtte for *Bertolonia Rodeckii*, a handsome melastomad, with a habit like that of *B. Van Houttei*, and leaves similar in size and form, but rich green marked longitudinally and transversely with silvery lines, and also copiously spotted; and for *Bertolonia Killichii*, similar in habit and markings to the foregoing. To Messrs. E. G. Henderson and Son, Pine Apple Place, Edgware Road, for *Sonerilla Hendersoni amœna*, a pretty plant with silvery spots on the leaves, remarkably bright and clearly defined. To Messrs. T. Jackson and Sons, Kingston, for *Pteris serrulata magnifica*. To Mr. W. Morse, Nurseryman, Epsom, for *Yucca Gloriosa elegans variegata*, a very ornamental variety, with the leaves prettily variegated.

At the meeting of the Royal Horticultural Society, on June 23rd, First-class Certificates of Merit were awarded to Mr. James Chambers, Westlake Nursery, Isleworth, for *Begonia Royal Standard*, with large and finely formed crimson flowers of a fine deep shade. To Messrs. James Veitch and Sons, Chelsea, for *Davallia fijiensis major*, a large growing form of this species. To G. Simpson, Esq., Wray Park, Reigate, for *Coleus Eva*, a new variety, with leaves of a warm crimson ground colour, heavily blotched with yellow. To G. F. Wilson, Esq., F.R.S., Heatherbank, Weybridge, for *Xerophyllum asphodeloides*, a rare North American melanthaceous plant, with white flowers produced on a tall stem in the form of a raceme, and which appear to grow freely enough on the rock bed at Heatherbank. Other new plants comprised *Croton Bragæanus*, a long narrow pendant leaved form, boldly variegated with rosy crimson and creamy yellow (Veitch and Sons); *Rhododendron*, Duke of Edinburgh, a new hybrid, with dull salmon-coloured flowers, from the same raisers; *Amaryllis Beauty of Chatsworth* (Speed), bright scarlet crimson in colour, with a white bar up the segments, flowers well reflexed; *Azalea amœna lateritia* (Noble), a pretty rose-coloured variety; *Gloxinia* Mrs. Causton (Wills),

a large erect-flowered variety, greyish white, with a purplish violet throat; Begonia Victor Emanuel (Watson), a scarlet flowered variety with a neat habit of growth; and Clematis Souvenir du Prince Imperial, a large, broad, pale blush six-petalled flower, with pink bars, occasionally semi-double, from Messrs. Cripps and Son.

The Royal Horticultural Society held its usual meeting on July 8th, and the annual exhibition of the Pelargonium Society being held in connection with this meeting, a goodly number of novelties were brought together. First-class Certificates of Merit were awarded to Messrs. Veitch and Sons, Chelsea, for Begonia Constance Veitch, a tuberous rooted variety of a dwarf habit, free of bloom, the flowers of a rich deep shade of crimson; and Rhododendron Duchess of Teck, a new garden hybrid, with fine trusses of buff yellow flowers. To Messrs. John Laing and Co., for Begonia Reine Blanche, with pure white flowers and a free habit of growth, a good advance as a white-flowered variety. To G. King, Esq. Wray Park, Reigate, for Coleus Maude, a striking variety with much warmth of colour, [the leaves lemon yellow, blotched with crimson. To Mr. C. Edmonds, Hayes, Middlesex, for variegated Zonal Pelargonium, named Mr. H. Cox, with finely formed and very handsomely coloured leaves. To Messrs. J. and J. Hayes, Nurserymen, Edmonton, for Pelargonium Princess of Wales, a pretty decorative variety of the regal type, with flowers white, blotched and veined with soft rose on all the petals. To Mr. Fred. Perkins, Leamington, for Pelargonium Volunte Nationale, a dwarf decorative variety, having white ground flowers blotched with rosy pink, and dark maroon on the upper petals. To Messrs. Paul and Son, Cheshunt, for H. P. Rose, Duke of Teck, vivid-red or scarlet-colour, very fine and striking, the flowers large and full, a variety we hope to figure shortly; and to Mr. H. Cannell, for Begonia Edward Morren, having large full double scarlet flowers.

The following large-flowered Pelargonium received First-class Certificates of Merit in connection with the Pelargonium Society's Exhibition:—Charlotte (Matthews), Flag Captain, The Baron, Fireball, Sensation, The Pope, and Alice, all raised by E. B. Foster, Esq., Clewer Manor; Fancy Pelargoniums, Electric Light and Sarah Bernhardt, from Mr. C. Turner, Royal Nursery, Slough; Zonal Pelargoniums, Fanny Thorpe, Edgar Catlin, and Lizzie Smith, raised by Mr. Catlin, Finchley; Commander-in-Chief, Dudie, Horatio, Leander, L'Allegro, and Romeo, single

varieties; also Dauntless and Pioneer, double varieties, from Dr. Denny, and to Decorative Pelargonium, Black Prince, from Messrs. J. and J. Hayes.

PLANTING OUT YOUNG AZALEAS. — The *Gardeners' Chronicle* calls attention to this practice of the continental growers, and informs its readers that it is carried out at the Ascot Nurseries of Messrs. John Standish and Co. with the best results. Every one who has had to do with large quantities of young stock of Azaleas, grown in little pots, is aware of the amount of labour and attention required in watering, and how persistently these small plants get dry in bright sunny weather, when its effects have such a tendency to induce a stunted condition. Seeing what was being done in the continental nurseries, the manager of the Ascot Nurseries thought, by modifying the practice a little, so as to make up the difference caused by our clouded climate and shorter summers, he would secure the freer growth resulting from planting out, and effect a saving in the labour of watering. The beds, occupying a warm sheltered position, are made five feet wide by thirty yards long, the soil composed of peat reduced to a fine state, with a little leaf mould and sand, the surface sunk about two inches below the dividing paths. Some six thousand of last summer's grafted plants are turned out of their pots about the end of May, and planted six or eight inches apart, the soil pressed firmly to them; all the attention they receive or require through the summer is to water the beds freely once or twice a week according to the weather. The growth made is nearly double that obtained from ordinary pot culture. Towards the end of September, the whole are taken up and put in pots, as small as their roots can be got into, and they are at once transferred to houses kept warm for about six weeks, by which time the greater portion are set with flower buds, and the largest big enough to sell; the smaller remaining ones again in May are taken out of the pots, the balls soaked, a considerable portion of the soil removed, and planted as before; giving them more room, treated during the summer, and potted in September as previously, with warmth under glass in like manner. At the end of this second season the plants have attained a size equal to what would have been the result of three summers' growth in pots, and are clothed with a good free foliage. Turned out clear from thrip, and with the heads of the plants in close proximity to the ground, this pest causes but little trouble to the cultivator.

PLATE 365.

CÆLOGYNE OCELLATA MAXIMA.

At a recent meeting of the Royal Horticultural Society, the above chaste and beautiful Orchid was exhibited by Mr. B. S. Williams, Victoria Nursery, Holloway, and awarded a First-class Certificate of Merit. We cannot do better than give the description of it given by Professor H. G. Reichenbach in the *Gardeners' Chronicle*:

"According to my taste this is a great beauty. It is far stronger than the common plant, having a rich eight-flowered raceme of expanded blossoms coming near those of *C. cristata*. The colour is a usual one; the lateral yellow blotches spread widely apart; the anterior central is confluent, and overrun by side-keels, those quite outside being the adventitious ones urged already by Dr. Lindley. I am told that the bulbs are a good deal larger than those of the genuine plant, being three inches in circumference. The inferior sheath under the inflorescence usually persistent in this species, is very much developed."

When this variety becomes distributed there is no doubt it will take a high position in collections of Orchids,—a prominence to which it is justly entitled.

PLATE 366.

BEGONIA—SOUVENIR DE GAND.

A number of very fine tuberous-rooted Begonias have put in appearance at the Exhibitions of the Royal Horticultural and the Royal Botanic Societies, during the present season. One of these, *Souvenir de Gand*, a fine new variety in the possession of Messrs. Osborn and Sons, the Nurseries, Fulham, S.W., was exhibited at the meeting of the Royal Horticultural Society on June 10th, and awarded a First-class Certificate of Merit.

Souvenir de Gand is a remarkably fine single variety with very broad and massive petals, the flowers being fully three and a half inches across when naturally expanded, the colour rich crimson scarlet of a very bright hue; the plant possessing a free and neat habit of growth.

Now that the race of tuberous-rooted Begonias is being recognised as Exhibition plants (and in some parts of the country very finely grown for this purpose), this superb variety under notice is likely to take a leading position on the Exhibition stage. It has the habit of a good show plant, and its massive flowers suggest that it will journey well to the place of Exhibition.

PLATE 367.

AZALEA MOLLIS—COMTE DE GOMER.

This fine variety of this distinct and useful Japanese Azalea, received the honour of a First-class Certificate of Merit at the meeting of the Royal Horticultural Society on May 13th, when exhibited by Messrs. James Veitch and sons, Royal Exotic Nurseries, Chelsea. It is a grand variety, the flowers of which are of a soft rosy salmon tint, faintly shaded with orange; large and well-formed, and forming a fine and showy truss.

Azalea mollis is a fine and striking species introduced from Japan some years ago, and from which many fine varieties have been obtained. It has been regarded by botanists as synonymous with *A. Sinensis*, but it is abundantly distinct for all garden purposes. The varieties raised from it will become very useful as decorative plants; they are, however, early bloomers, and therefore likely to be even more useful for forcing purposes than for the open garden, at least in situations where they would be liable to suffer from spring frosts.

PLATE 368.

ALPINE AURICULA—DUCHESS OF CONNAUGHT.

The beautiful variety forming the subject of our illustration, is one of a batch of fine new flowers shown this season for the first time by Mr. Charles Turner, of the Royal Nursery, Slough. It was seen at the Exhibition of the southern section of the National Auricula Society, held in London in April last, and in such good form as to well deserve the First-class Certificate of Merit awarded to it on that occasion. It belongs to the section of shaded Alpines, the dark velvety maroon body colour being distinctly and regularly shaded with violet purple, the centre pale gold. The flowers are of good size, flat, smooth and stout, and altogether of fine form; the truss large, handsome and striking.

The section of Alpine Auriculas is finding much favour among lovers of hardy spring flowers. They are so bright in colour, so free, and beautifully coloured and shaded, in many cases with bold and striking golden centres, that it is not to be wondered at they engaged so much attention when staged at Auricula shows. The inferior varieties make handsome border flowers, being very hardy, and in a favourable season yielding capital heads of bloom.



CÆLOGYNE SCELLATAM MAXIMA

FLORAL MAGAZINE NEW SERIES

L. Reeve & Co. 5, Henrietta St. Covent Garden.



J. Nugent Fitch del. et lith.

Vincent Brooks Day & Son, Imp.

BEGONIA
"Souvenir de Gand"

FLORAL MAGAZINE NEW SERIES

L. Reeve & Co. 5, Henrietta, St. Covent Garden.



J. Nugent Fitch del. et lith.

Vincent Brooks Day & Son. Imp.

AZALEA MOLLIS
"Comte de Gomer"

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5, Henrietta, St. Covent Garden.



J. Nugent Fitch del. et lith.

ALPINE AURICULA.
"Duchess of Connaught."

Vincent Brooks sculp. on imp.

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5, Henrietta, St. Covent Garden.

THE FLORAL MAGAZINE.

NEW SERIES.]

SEPTEMBER, 1879.

[No. 93.]

HORTICULTURAL EXHIBITIONS.

AMONG the novelties produced at the Exhibition of the Royal Horticultural Society, on July 22nd, was *Pescatorea Klabochozum*, from Mr. Spyers, gardener to Sir Trevor Lawrence, Bart., M.P., Burford Lodge, Dorking. This is a new and remarkable species, with white sepals and petals broadly tipped with chocolate. It was awarded a First-class Certificate of Merit. The same award was made to Mr. William Bull, for *Tradescantia multicolor*, a very distinct and decidedly pretty plant; similar in habit to *T. zebrina*, but with the leaves of a silvery-grey colour, banded with dark-green and rosy-purple; also for *Sarracenia atrosanguinea*, a new form of *S. flava*, and probably only a variety, with long tubular pitchers, with reddish-brown lids; and for *Coleus James Bradshaw*, one of Mr. Bull's new race of hybrids, with bright yellow and crimson mottled leaves, and a somewhat compact habit of growth. The same award was made to Mr. R. Lloyd, gardener at the Brookwood Asylum, Surrey, for *Coleus Dr. Brushfield*, a strong, vigorous-growing variety, with large bluntly-toothed leaves of a bright orange-yellow colour, mottled with rose and crimson. Mr. B. S. Williams, Victoria Nursery, Holloway, had the same award for *Bromelia Binotti*, a striking plant, with curved, sword-shaped, coarsely saw-toothed leaves, four to five feet long, and two inches wide; the old ones a deep-shining green, and those springing from the centre of the colour of sealing-wax. The same award was made to H. J. Elwes, Esq., Preston House, Cirencester, for a magnificent variety of *Iris Kämpferi*, raised by Mr. Max Leichtlin, of Baden Baden; the flowers measured seven inches across, and had a white ground with orange centre, and the falls splashed and spotted with rosy-purple—by far the most beautiful light-coloured variety of this noble flower that has yet been shown. From Mr. C. Turner, Royal Nursery, Slough, came perpetual-flowering *Carnation, The Queen*, a pure white flower of excellent quality,—far too good to have the questionable award of a Second-class Certificate. The same award was made to Mr. R. Ward, the Rose Nursery, Ipswich, for a seedling Hybrid Perpetual Rose, raised from a cross between Baroness Rothschild and Sombreuil, and named *Isabella Ward*; blush-white in colour, sweetly fragrant, a

vigorous grower, and said to be a good autumn bloomer. A cultural commendation was awarded to Sir Trevor Lawrence, Bart., M.P., for a specimen of the handsome *Odontoglossum coronarium*, with a cylindrical spike of thirty-one flowers, which measured one foot in length and six inches in diameter; and with it there was a plant of *Dendrobium formosum giganteum*, with five remarkably fine blooms, produced more after the manner of a *Trichopilia* than a *Dendrobium*. Other novelties included a good pink zonal *Pelargonium*, named *Miss Bell*, from Mr. A. Boxall, Claybury Hall; a double-flowered form of *Begonia Veitchii*, from Messrs. Veitch & Sons, King's Road, Chelsea; *Echeveria caruncula*, from Mr. William Bull, a singular form, wherein the leaf is hypertrophied, and produces a warted, lobed, fleshy mass on its upper surface, similar to what may occasionally be seen in the cabbage. From Mr. B. S. Williams came *Anthurium Walnewii*, a large, bronze-coloured, cordate-leaved plant, with deeply-furrowed leaf stalk and scape; *Adiantum cuneatum dissectum*, and *A. mundulum*, the latter a decided novelty, by reason of its diminutive, wiry habit.

The meeting of the Royal Horticultural Society on August 12th proved a very interesting one, and a goodly number of novelties were forthcoming. Among these were some fine forms of *Iris Kämpferi*, from Messrs. James Veitch & Sons; and to three of these, viz., *Charles Maries*, pale mauve, marbled with dark blue; the *Jersey Belle*, pure white, with bright orange spots; and *Sir Stafford Northcote*, rich deep-purple, with orange spots,—First-class Certificates of Merit were awarded. These were of great size, very massive, and remarkably fine. The same award was made to *Sarracenia formosa*, a very elegant hybrid, raised between *S. psittacina* and *S. variolaris*, partaking of the peculiar form of the former, combined with the freer growth and large size of the latter; and to *Nepenthes Viellardi*, a handsome pitcher plant, similar in habit to *N. distillatoria*, but very distinct from any other kind. It has deep-green leaves, with a singular hoariness on the upper surface and also on the pitchers, which are of medium size, and entirely of a deep red colour. The foregoing also came from Messrs. Veitch & Sons. From Mons. Victor Lemoine, Nancy, came *Gladiolus hybridus Lemoineanus*, a very fine variety, the result of a cross between *G. purpureo-auratus*, and *G. Gandavensis*; the colour creamy-white, marked on the three lower

petals with intense brownish-purple. Messrs. John Laing & Co., Stanstead Park Nursery, Forest Hill, received a First-class Certificate of Merit for *Begonia Stanstead Rival*, one of the finest single-flowered *Begonias* yet raised, robust in habit, the flowers five-petalled, and of a rich deep-crimson colour. The same award was made to Mr. Henry Cannell, Nurseryman, Swanley, Kent, for *Coleus Tricolor*, with leaves of an intense dark-maroon colour, divided by a band of crimson down the midrib, the margin of the leaves emerald-green. *Fuchsia Eclipse*, from Mr. George Smith, Tollington Nursery, Islington, was similarly honoured. This is a fine double variety, with stout bright-red tube and sepals, and a rich plum-coloured corolla. A Botanical Certificate was awarded to Messrs. Veitch & Sons for a *Conandron ramondoides*, an interesting little plant recently introduced, with thick, fleshy, oblong green leaves, from amongst which spring erect flowering stems, bearing several flowers, measuring nearly an inch across, in colour rich lilac-purple, the centre being chocolate, and the stamens purple. Mr. John Wills, Onslow Crescent, sent a flowering plant of *Hydrangea paniculata grandiflora*, a form that he is now raising largely for decorative purposes; it is one of the grandest of autumn-flowering shrubs, and forces well when potted up. It is a plant deserving much more attention than it has yet received from plant cultivators.

ROSE CULTURE AT EXETER.

In the cathedral city of Exeter there lives a well-known rose cultivator, Mr. R. N. G. Baker, one who takes a leading position as an amateur exhibitor. We have had the pleasure of seeing Mr. Baker's Roses on several occasions this season, and have been struck with the wonderful size and brilliancy of his flowers. So marked are these characteristics in Mr. Baker's flowers generally, that appeals have been made to him to reveal his rose secrets. This he has readily done in the pages of *The Garden*; and as his blooms are simply the "legitimate outcome of careful culture," and "not nourished into size, moulded into form, and coloured perfectly by some specially rich food," Mr. Baker fears that those who seek information may be disappointed at the "meagreness of his revelations." He states that his blooms were "not the produce of 'dwarf maidens,' but were all of them grown on cut-back plants (Manetti), most of which were five years old. It has long been my opinion—and every year's experi-

ence tends to strengthen it—that the blooms from cut-back plants are superior in every respect to those from maidens, and more especially so in finish and form. My Roses ground was very carefully prepared in the first place, being trenched to the depth of two feet, and made very much like a sandwich, with alternate layers of manure and earth. In this my plants rooted capitally, and they throw up every year strong shoots from the bottom. For example, last autumn I measured some from Charles Lefebvre, which were more than nine feet in height, and this season they are still making fine growth; indeed, Mr. A. J. Soames, who paid a visit to my Roses a week or two ago, expressed his surprise at my having such strong shoots so early in the year.

About the middle of August I have the greater part of the old wood cut out, in order that the young rods may have plenty of light and air, to enable them to ripen properly, and from this wood I get my show-blooms for the following year. In November I give my plants a good dressing of thoroughly-rotten cow-manure; this I have dug in at once, as I do not like it to remain on the surface during the winter. In March, after the pruning is complete, the ground is lightly forked, and after that occasionally hoed up to the time of blooming. As soon as the bloom-buds are formed, I give the plants plenty of liquid manure, composed of sheep-droppings, soot, and a little guano, and sometimes, in a wet season like the present, I sow a little guano; but I much prefer the liquid manure.

With regard to protection of the blooms, I have not shaded or in any way covered a single Rose during the whole of the season. On the day before the Norwich Rose Show we had a gale of wind and very heavy storms of rain, and I quite despaired of being able to show my Roses in good condition. However, I directed two men to keep shaking the blooms all day, so that the rain might not remain long in them, and in the afternoon the weather cleared up, and the Roses were pretty dry by the time we began cutting at 6 P.M. We finished staging at 9 P.M., left Exeter at 10.10 P.M., and reached Norwich at 9.10 A.M. on the following morning. I think the cool nights were the cause of the Roses bearing so long a journey so well, as I have found this year that I have been able to cut larger and rather older blooms than I can generally venture to do."

PLATE 369.

DECORATIVE PELARGONIUM, NELLIE HAYES.

The term "Decorative" Pelargoniums has been applied to a group of good-habited, free-growing, and remarkably profuse-flowering varieties, that are, by reason of these characteristics, well-adapted for market work, and for the decoration of greenhouses, &c. Their flowers generally lack the fine shape and outline found in the florists' varieties of the large-flowering or show Pelargoniums; at the same time they are most useful, and many of them having pretty fringed petals, they are esteemed all the more on that account.

The variety forming the subject of our illustration, was raised by Messrs. J. and J. Hayes, of Edmonton, the well-known market growers, and when exhibited at the meeting of the Royal Horticultural Society on June 10th, was awarded a First-class Certificate of Merit. The flowers, which are of large size and handsome appearance, have a blush-pink ground, with a dark blotch on each petal, which is edged with magenta. It is a very pleasing and pretty variety, and will, no doubt, become popular for market work and house decoration.

PLATE 370.

CLEMATIS, MARIE LEFEBVRE.

This very fine variety is one of the first batch of *C. lanuginosa* hybrids raised by Messrs. Thomas Cripps & Sons, Nurserymen, Tunbridge Wells. It belongs to the *C. lanuginosa* section, and requires the same treatment as is given to that fine type, and the forms allied to it. The flowers are very large in size, having from six to eight broad sepals of a fine satiny texture; in some seasons the blooms show a tendency to become semi-double. The colour is bright mauve, with a distinct and much deeper-coloured bar down the centre of each sepal, while the light-coloured stamens and chocolate anthers contrast well with the striking-coloured sepals.

The moist, cool summer is bringing out in a remarkable degree the high-class decorative value of the hardy Clematises. Those who grow them in beds or for covering rustic wood-work and such places, have their plants growing vigorously and flowering superbly. They can be used in so many ways, that their capacity for usefulness is as large as the extent of variety to be found among them.

PLATE 371.

FUCHSIA, CRIMSON GLOBE.

This is a very fine exhibition and decorative variety, raised by Mr. James Lye, Clyffe Hall, Market Lavington, Wilts, and distributed by him last spring. Our illustration is from a spray plucked from a plant of good size, which displayed to the greatest advantage the handsome leafage and symmetrical growth of the variety, its great freedom of bloom, the elegant outline of the plant, and the fine individual character of the flowers. The tube and sepals are of a deep red, very broad, stout, and finely formed; the corolla, which is of the finest form and very massive, as well as handsomely rounded, is of a plum-purple colour.

Mr. Lye has been turning his attention to raising new varieties of the Fuchsia that should possess all the qualities desirable in exhibition and decorative plants. As exhibition varieties his new forms are particularly worthy of notice, and we can heartily commend them to the attention of our readers.

PLATE 372.

LÆLIA HARPOPHYLLA.

We are indebted to Sir Trevor Lawrence, Bart., M.P., for the subject of this illustration. This fine and striking Orchid is a rare Brazillian species, bearing handsome spikes of rich, bright, orange-scarlet coloured flowers, brilliant in hue and imposing in appearance. It belongs to a genus which contains many extremely handsome species, and is closely allied to *Cattleya*, the chief distinction being that *Lælia* has eight pollen masses, whilst *Cattleya* has only four.

Mexico has furnished many kinds, and for the most part they thrive best upon blocks in a somewhat cool and airy house, with full exposure to the sun. The Brazillian species require pot culture, and the same treatment as *Cattleya*; in summer a temperature of from 65° to 75°, in winter from 60° to 65°.

A very fine example of this splendid Orchid was exhibited by Sir Trevor Lawrence at one of the meetings of the Royal Horticultural Society in March last. The plant, which was in fine condition, bore five superb spikes of flower; it was probably one of the finest examples of *Lælia harpophylla* yet seen.



J. Nugent Fitch del. et lith.

Wm. H. & Co. Lith. N.Y.

DECORATIVE PELARGONIUM

Nellie Hayes

FLORAL MAGAZINE NEW SERIES

L. Reeve & Co. 5, Henrietta St. C. 1881



J. Moore, F.R.S.

Wm. Wood, F.R.S.

CLEMATIS MARIE LEFEBVRE

FLORAL MAGAZINE NEW SERIES.

LONDON: CHAS. & CO. 1854.



Nugent Fitch del. et lith.

Vincent Brooks Day & Son, Imp.

FUCHSIA CRIMSON GLOBE

FLORAL MAGAZINE NEW SERIES.

1. House Robt. S. Hennrich, St. Louis, Mo.



J. Nugent Fitch del. et lith.

Vincent Brooks Day & Son, Imp.

LELIA HARPEOPHYLLA.

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5, Henrietta, St. Covent Garden.

THE FLORAL MAGAZINE.

NEW SERIES.]

OCTOBER, 1879.

[No. 94.]

HORTICULTURAL EXHIBITIONS.

At the meeting of the Royal Horticultural Society on August 26th, a very fine collection of Gladioli—unusually fine, considering the season—came from Messrs. Kelway & Son, the Nurseries, Langport, the well-known cultivators. Of the many fine varieties staged, the following were selected for First-class Certificates of Merit: viz., Samuel Jennings, rich bright carmine-red, white throat, very fine form, and large imposing-looking spike; Duchess of Connaught, delicate blush, the sides of the segments slightly feathered with bright purple, and rich purple flame on the throat; Duke of Connaught, fiery salmon-carmine, flaked in the case of the older flowers with flesh colour, white throat, rich looking and very fine; Thos. S. Ware, very bright pale vermillion, flushed on some of the segments with delicate purple, very fine spike; and Electra, delicate pink feathered and margined with magenta, very distinct and fine. The following new and striking varieties were shown in fine form also: Jessica, Pictum, Earl of Morley, Queen Mary, Lorenzo, Grandeur, and Egyptian King, dull-red feathered with black, very distinct and novel in character.

The same award was made to a very fine stove-palm named *Carludovica Drudei*, handsome and unique in appearance, with large deeply-notched leaves divided into four parts; also to *Kentia Wendlandiana*, a pinnate-leaved species, first introduced from Queensland into the Royal Gardens, Kew; and to *Agapanthus umbellatus albus*, a pure white counterpart of the well-known blue African Lily, the flower scapes of which measured two feet six inches in height, and terminated with a large umbel of pure white flowers. These came from Mr. William Bull, New Plant Establishment, King's Road, Chelsea, who also had *Agapanthus umbellatus flore pleno*, *Wiegelia amabilis Looymansii aurea*, a golden-leaved form, and a pan of cut blooms of the showy *Tigridia grandiflora*.

From Mr. C. Turner, Royal Nursery, Slough, came a batch of his new yellow-ground Picotees; and First-class Certificates of Merit were awarded to the following: Lady Rosebery, a clear yellow Self of a bright pale-golden colour, properly a Clove Carnation, as, we believe, Self Picotees are not acknowledged by florists; Princess Beatrice, pale-yellow ground with an edging

and slight flakes of bright red; and Sultana, orange-salmon, suffused and flaked with red, very fine petal. These are all large flowers, of full substance, and with vigorous constitutions, quite unlike in that respect the delicate Yellow Picotees that were cultivated a quarter of a century ago. Other fine new flowers were The Dove, Ne Plus Ultra, Lightning, Mrs. Purvis, and Flavius.

Mr. H. Cannell had a very fine lot of cut Verbenas that were much admired. From Messrs. T. Perkins & Sons, Nurserymen, Coventry, came a new Hybrid Perpetual Rose, named Henry W. Eaton, a large and full bright-coloured flower in the way of J. S. Mill.

The meeting of the Royal Horticultural Society on Sept. 16th, gave the Dahlia raisers an opportunity of showing what they can do in the way of producing new varieties. The season has told against the Dahlias, however; there has been an absence of warm sunshine and pleasant nights to get the flowers up to a fine finish; consequently, the blossoms were a little rough. As is usual, Messrs. John Keynes & Co., Castle Street Nursery, Salisbury, were to the fore, but though they had some very fine flowers, but one was considered by the Floral Committee good enough to receive an award of a First-class Certificate, viz., Ethel Button, a lovely delicate flower tipped with lilac-pink, very pretty and soft, with high centre, fine petal and outline. Other fine varieties were Triumphans, rich glossy rosy purple, flushed with bright purple on the circumference of the flower, a fine hue of colour, full high centre and excellent substance; Mrs. Hodgson, a striking variety with a golden-ground colour in the centre of the flower and lemon on the edges, the petals tipped with pale purple, very distinct fine outline, and full substance. Triumphans, for its rich and distinct colour, and Mrs. Hodgson, for its fine quality and novelty of character, well deserved First-class Certificates of Merit. A thoroughly good and distinct fancy flower was also among the seedlings, named Frederick Smith, of a puce lilac-pink ground, striped with pale purplish-red, fine shape, and excellent petal. There was also a glowing red Self, named Victor, bright orange-red in colour, small in size, but of excellent shape.

Mr. J. F. Mould, Nurseryman, Pewsey, Wilts, sent a batch of seedling Verbenas of capital quality, to one of which, named Mr. Thompson, a First-class Certificate

of Merit was awarded. It is a finely-shaped flower, of a rich orange-red colour, with a distinct pale-lemon eye.

Messrs. Veitch & Sons, Royal Exotic Nurseries, King's Road, Chelsea, had a group of novelties of a very high order of merit. It included a collection of hybrid *Nepenthes* raised at their Chelsea Nurseries, also some new *Cypripediums*, and to two of these, viz., *C. calanthum*, raised from *C. Lowii* crossed with *C. biflorus*, and *C. Oenanthum*, raised from *C. insigne Maulei* crossed with *C. Harrisianum*, First-class Certificates of Merit were awarded. *Sarracina Chelsoni* was noticeable for its large erect red pitchers with broad-eared lips. It is a hybrid between *S. rubra* and *S. purpurea*, though not exactly a novelty in the matter of recent production.

For *Drosera dichotoma rubra*, Mr. W. Bull, King's Road, Chelsea, received that most questionable award, a Second-class Certificate of Merit. In his select group were *Dendrobium Goldiei*, with pale magenta flowers issuing from the top of a long thin naked pseudo bulb; and *D. undulatum fimbriatum*, whose flower segments were of a buff colour, and curiously contorted. A First-class Certificate of Merit was awarded to *Ophiopogon Jaburan aureo-variegatum*, from Mr. R. Lloyd, gardener to the Brookwood Asylum, it is a very pretty plant when well marked in its variegation, having tufts of linear leaves banded with white, and from whose midst are thrown up spikes of small blue flowers. Clove Carnation, Susan Askey, from Mr. William Culverwell, gardener to F. A. Millbank, Esq., M.P., Thorpe Perrow, Bedale — a charming sweet-scented white variety — was awarded a First-class Certificate of Merit.

From Mr. Green, gardener to Sir George McLeay, Bart., Pendrell Court, came cut spikes of the noble *Gunnera manicata* and *G. Scabra*, to show the difference between them; flowers of the old *Aristolochia trilobata*, very like pitchers from a *nepenthes*; cut blooms of the noble *Pachira insignis*; and cut flowers of the curious *Lagerströmia indica* and *Montbretia Pottsii*.

Mr. B. S. Williams, Victoria Nursery, Holloway, received a First-class Certificate of Merit for *Tillandsia Lindenii* (genuina), a splendid Bromeliad with narrow linear arching leaves, flat spikes of pale pink bracts, and large violet-blue flowers. In a group of plants, of which the *Tillandsia* was the chief object, appeared *Dendrobium superbiens*, *D. bigibbum*, and also a specimen of *Nepenthes robusta*, said to be a hybrid between *N. phyllamphora* and *N. Hookeri*. This was awarded a First-class Certificate of Merit.

Mr. H. Boller had a Second-class Certificate of Merit for *Agave marmorata*.

AURICULAS ATTACKED WITH WOOLLY APHIS.

This is an insect that fastens itself upon the points of the roots and the collar of the stem of the plant, i.e. that part just above the soil, affecting the health of the plants and stopping their growth. We have heard of it in several collections; it comes no one knows where, and spreads with great rapidity. A correspondent, writing to *The Garden*, gives some account of the difficulties he encountered in trying to rid himself of it. Last year he found it very strong, and had recourse to all sorts of things by way of preventives. "I tried tobacco and gishurst, soft soap and sulphur, and thought if my auriculas survived this they could not be the very fastidious plants they were said to be; they did survive, and so did the aphis. I talked the matter over with friends, and amongst others with Mr. J. T. D. Llewelyn; he advised me to try paraffin, and I have been fairly successful with it. A teaspoonful to a quart of water is the proportion I use, putting it into a quart bottle, and then shaking it violently, and, before the oil has time to separate, pouring it on the soil of the plant affected. I find that I still have it, although not to anything like the extent I had."

It is not easy to get rid of. There is reason to think that this aphis spreads more rapidly when the soil above the plants is dry than when it is wet; but we have seen it covering the points of the roots of plants thoroughly saturated with moisture. It is said to be a winged insect; the males are uniformly so, and the females sometimes; and there is about the bodies a curious fluffy substance, something like the down on the seeds of the thistle, by which they can be carried to a distance. This aphis is a great nuisance; and the remedy suggested above is one worthy the attention of all auricula cultivators suffering from an attack of it.

CATALOGUES RECEIVED.

From MESSRS. SUTTON & SONS, Reading.—Sutton's Bulb Catalogue for 1879.

From DICK RADCLIFFE & Co.—A Plant and General Catalogue of Horticultural Decorations, Garden Requisites, &c.

From E. G. HENDERSON & SON, Pine-apple Nursery.—A Catalogue of Dutch Bulbs and other Flower Roots, Herbaceous and Alpine Plants, &c.

PLATE 373.

CÆLOGYNE MASSANGEANA.

Our illustration of this Cælogyne is taken from a plant that flowered in Mr. B. S. Williams's collection at the Victoria Nursery, Holloway. It has been described by Professor Reichenbach as a "remarkable new Cælogyne, that stands nearest the old well-known *C. Asperata* (Lowii). The pseudo bulbs are pyriform and bear two Stanhopea-like leaves. The long pendulous raceme bears twenty-two flowers at distant intervals. Sepals oblong, light ochre coloured, keeled in the middle outside. Petals nearly equally broad. The lip trifid, beautifully maroon-brown, with ochre-coloured veins. Anterior lacinia whitish with large brown disk. The keels are light yellow."

It appears to have been introduced by Messrs. L. Jacob-Makoy & Co., the well-known Belgian nurserymen, and is named after Mons. D. Massange, an "enthusiastic orchidophilist." We are indebted to the columns of the *Gardener's Chronicle* for the foregoing information.

PLATE 374.

NEW PICOTEES.

We are indebted to Mr. Charles Turner, of the Royal Nursery, Slough, for the flowers forming the subject of Mr. Fitch's illustration, and they serve to illustrate the positive advance being made in the production of new varieties of Picotees. Mrs. Payne (Fellowes)—(No. 1), is a heavy bright rose-edged flower, with smooth and finely-shaped petals, and a pure white ground; altogether a finely-formed flower. It has received several honours, viz., a First-class Certificate of Merit; the first prize for the best heavy rose-edged Picotee in 1878; and the premier prize for the best Picotee at the National Carnation and Picotee Society's Show in 1879. Queen of Summer (Fellowes)—(No. 2), is a fine flower with a medium red edge, the petals large and smooth, the ground pure, the appearance symmetrical and pleasing. Mrs. Chancellor (Matthews)—(No. 3), is a heavy purple-edged flower, with finely-shaped large petals, very smooth, and the white ground quite pure. At the exhibitions of the National Carnation and Picotee Society in 1878 and 1879, this variety was awarded the first prize in the best heavy purple-edged Picotee; which speaks volumes for its obvious excellent qualities. It is something for a variety to win this honour two years in succession.

PLATE 375.

BEGONIA, J. H. LAING.

This is one of the more recent of the fine new varieties raised by Messrs. John Laing and Co., Stanstead Park Nursery, Forest Hill, S.E. It was exhibited at the meeting of the Royal Horticultural Society on June 10th last, and deservedly awarded a First-class Certificate of Merit. The flowers are large, very stout, and finely formed, and of a very rich orange-scarlet colour; the habit of growth compact and of moderate height.

There appears to be no limit to the production of new varieties of the Tuberous-rooted Begonias. We are pleased to find that raisers are doing a great deal in the direction of securing novelty in colour, dwarfness and compactness of habit, the property of flowering freely, and the desirable quality of handsomely-marked leaves. The Begonia is being improved all round; and as this improvement goes on, the introduction of distinct new varieties of high-class merit becomes of rarer occurrence, in consequence of the general good quality of seedlings. We are informed that, notwithstanding the wet and sunless character of the summer, these Begonias, as was predicted of them, have made excellent bedding plants.

PLATE 376.

COLEUS TRICOLOR.

We are indebted to Mr. H. Cannell, of the Nursery, Swanley, Kent, for the opportunity of figuring this fine and distinct variety, recently awarded a First-class Certificate of Merit by the Royal Horticultural Society. It is one of a batch of new forms raised by the Rev. Mr. Woodhouse, of Sydney; is of an excellent habit of growth, the leaves of a lively claret-maroon colour, with a distinct carmine flame along the centre, and a distinct beaded edging of bright green. It is well named "Tricolor," for the three colours are well displayed and in excellent contrast. We are informed by Mr. Cannell that other varieties of the same batch of seedlings are equally fine and distinct, and cannot fail to cause a stir when publicly exhibited.

The Coleus has now become a leading exhibition plant, and in some parts of the country large and finely-grown specimens are produced. There is a sameness among some of the older varieties, and some novelty is required to give the necessary distinctness of character. This fine new variety, Tricolor, and others we have seen, will give this novelty in a remarkable degree.



J. Nugent Fitch del. et lith.

CŒLOGYNE MASSANGEANA

Vincent Brooks Day & Son, Imp.



NEW PICOTEES

1. M^{rs} Payne. 2. Queen of Summer. 3. M^{rs} Chancellor

Vincent Brooks Day & Son, Imp

W. J. Fitch, del. & lith.

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5, Henrietta St. Covent Garden.



J. Nugent Fitch del et lith.

BEGONIA J.H. LAING.

Vincent Brooks Day & Son. Imp.

FLORAL MAGAZINE NEW SERIES

L. Reeve & Co. 5, Henrietta St. Covent Garden.



COLEUS TRICOLOR

J. Noyes Fitch del et lith.

FLORAL MAGAZINE NEW SERIES.

J. Heve & Co. 5, Hauerstr. St. Louis, Mo.

Vincent Brooks Day & Son. Inc.

THE FLORAL MAGAZINE.

NEW SERIES.]

NOVEMBER, 1879.

[No. 95.]

HORTICULTURAL EXHIBITIONS.

THE monthly meeting of the Royal Horticultural Society is now the only one of which any record can be made. That held on October 14 was excellent in every respect, and, in addition to a goodly number of novelties, there were many objects of more than ordinary interest.

Messrs. James Veitch & Sons, Royal Exotic Nurseries, King's Road, Chelsea, staged an interesting group of new and rare plants, and were awarded First-class Certificates of Merit for the following: *Oncidium dastyle*, a species with pretty little flowers, having brown-spotted sepals and petals, and a creamy-yellow lip, having a purplish-black pouch near the base; *Cypripedium Spicerianum*, a remarkably distinct and very handsome Lady's Slipper, somewhat small in size, the upper sepal white, marked with a central purple line, the lateral sepals greenish, also with a central purple line, the lip greenish, shining, and the top of the column white, spotted with violet, and wavy at the margins; and for *Pachystoma Thompsonii*, a striking Orchid, with white flowers admirably contrasted with a long, narrow purple labellum, and having the habit of a *Pleione*; this plant is said to come from Western Africa. In addition Messrs. Veitch & Sons had Orchids and other plants: the former included a specimen of the Singular *Mormodes Ocañaë*, with four good spikes of its chocolate-coloured flowers; *Miltonia Moreliana Superba*, a large and deeply-coloured variety; a capital example of *Cælogyne Massangeana*, figured in the FLORAL MAGAZINE for October; and the red-striped variety of *Lilium Auratum*, known as *rubrovittatum*. This is a very distinct form of dwarf growth, and at present very rare. Mr. William Bull, King's Road, Chelsea, had several pretty Ferns of a distinct and attractive character. First-class Certificates of Merit were awarded to the following: *Polystichum lentum*, a dwarf evergreen Fern of compact growth from India, with fronds nearly one foot long, lance-shaped, with the pinnæ ending in bristles; *Adiantum mundulum*, a variety similar to the well-known *A. cuneatum*, but considerably dwarfer in habit, the fronds not so drooping as in the ordinary Maidenhair; and for *Adiantum cuneatum dissectum*, a pleasing variety having the pinnules deeply cut, which gives the plant an elegant appearance, and makes it desirable as a

decorative agent. Mr. Bull also had a good specimen of *Tillandsia Lindenii genuina*, with its rosy sheath and rich purple blossoms; the elegant *Curculigo recurvata striata*; the singular bronzy-flowered *Masdevallia vilifera*; *Kentia luciana*; *Zamia Skinneri*, etc. Mr. B. S. Williams, Victoria Nursery, Holloway, had First-class Certificates for *Calamus densus*, an elegant Palm, with the leaves arranged in a dense manner, as its name implies, and forming a handsome compact specimen; *Cocos elegantissimus*, a handsome Palm, with the leaves in the way of *C. plumosus*, but with a gracefully-arching habit, which renders it a valuable decorative subject; and for *Nepenthes Outramiana*, a handsome hybrid, the result of a cross between *N. Sedeni* and *N. Hookeri*, with medium-sized pitchers, broad at the base, tapering into a cylindrical neck, green, thickly dotted with small brown spots, and two narrow, finely-toothed wings. Mr. Williams also had an excellent example of *Vanda cœrulea*, with two capital spikes; the handsome *Dendrobium bigibbum*, *D. superbiens*, *Croton Rodeckianum*, with long, narrow, gracefully-arching leaves, variegated with gold, crimson, and green, etc. A First-class Certificate of Merit was awarded to *Adiantum Bausei*, shown by Mr. John Wills, Onslow Crescent, South Kensington, a very distinct and handsome Maidenhair Fern, said to be a hybrid between *A. trapeziforme* and *A. decorum*. From Mr. C. Green, gardener to Sir George McLeay, Bart., Pendrells Court, Bletchingley, came *Passiflora Hahnii*, which was accorded a First-class Certificate of Merit. It is "a Mexican species, with slender branches, peltate, ovate, acute leaves, purple on the under surface, and profusely furnished with beautiful large white flowers having a ray of crispy yellow filaments," thus furnishing us with a white Passion Flower. It is said to require stove treatment. Mr. Charles Turner, Royal Nursery, Slough, received a First-class Certificate of Merit for Bedding *Dahlia George Thomson*, a free-blooming, yellow-flowered variety, richly coloured, singularly free of bloom, and of a dwarf and compact habit. Mr. King, gardener to G. Simpson, Esq., Wray Park, Reigate, brought a collection of new forms of *Coleus*, to one of which, named *Majesticus*, variegated with gold, bright green, and purplish-crimson, a First-class Certificate of Merit was awarded; it was coarse-looking and weedy in growth. A Botanical Certificate was awarded to Mr. Bull for *Cycnoches Warscewiczii*, de-

scribed by the *Gardener's Chronicle* as a "curious Orchid with green flowers borne on two separate spikes, those on one spike being much larger and totally different in appearance one from the other. So much so, that, seen separately, they would be taken as belonging to different genera. The explanation of this and of similar appearances in various species of *Catasetum* is now known to be that they are the male and female flowers respectively. In the present instance, the flowers on the shorter spike with broad segments and simple lip are probably female, while the smaller and more numerous flowers on the long raceme and which have a much-divided lip, are male." A Cultural Commendation was also awarded to Mr. W. Bull for *Zamia Skinneri*, a cycad with a tall, erect stem, giving off a crown of bold pinnate leaves, surrounding two male spikes. From Messrs. Todd & Co., Seedsmen, Edinburgh, came cut flowers of the East Lothian Intermediate crimson Stock, very double and finely coloured. From Mr. John Walker, Nurseryman, Thame, came a large quantity of cut flowers of that fine old plant, *Tropaeolum tuberosum*, which seems to have flowered very freely in the open air this season. Messrs. Haage & Schmidt, of Erfurt, Germany, sent plants of a striped double common Marigold they had named Meteor; and from Mr. R. Dean, Ranelagh Road, Ealing, came what seemed to be the same thing, under the name of Meteor, but in a much better form. Messrs. W. Paul & Son, the Nurseries, Waltham Cross, had some boxes of cut Roses, among them a fine new crimson-coloured variety named Duchess of Bedford, one of the Hybrid Perpetual class.

NEW GERMAN POMPON DAHLIAS.

We have this season seen some very pretty and distinct Dahlias of the Pompon or Liliputian type, obtained from Germany, possessing so much novelty of character as to make it desirable they should be better known. They have small, compact, and well-formed flowers, with quilled rather than open florets; and it is this character of flower, as well as the combinations of colour they present, which makes them so attractive. We may further remark, that they average from two to three feet in height, are free-branching, yet compact in habit, and are singularly free of bloom.

We made special note of the following: viz., *G. Defusy*, pale-puce, very fine; *Rougiere et Chauviere*, purple, the centre petals nearly white, like those of a

crown Aster; *W. Tardier*, orange, slightly tipped with purple, very fine and free; *Frederick Muller*, one half of the petals orange-buff, the other half creamy-buff, a singular and yet pleasing combination; *Hedwig Polluez*, scarlet, tipped with white, fine shape, very free, and quite distinct; *German Favourite*, bright claret-red on a pale golden ground, very fine, though a little tall in growth; *Karl Goldenburgh*, yellow, tipped with white, very pretty; *Borjeat*, purplish-crimson, singularly free and compact; *Anna Weiner*, gold, tipped with pale red, very fine; and *Trosmeister Gschwina*, white and dark maroon, very peculiar in appearance. For cutting from the foregoing are invaluable.

Some other better-known varieties will be found in Northern Light, deep orange-scarlet; *Nemesis*, rose and white; *Sapphire*, deep-shaded crimson; *Sacramento*, gold, heavily tipped with red; *Glowworm*, pale gold, tipped with bright red, very fine; *Tom Rover*, lilac, tipped with purple; and *White Aster*, pure white.

EIGHTEEN CHOICE HYACINTHS FOR POTS.

At this season of the year, when cultivators of this beautiful flower are making up their collections, it may be of service to give a selection of the best varieties we noted when in flower last spring. Single red: *Cavaignac*, salmon, striped with rose; *Florence Nightingale*, pale pink, with carmine stripes; *La Prophete*, soft pink and carmine, very pretty; *Macaulay*, deep rose, striped with crimson; *Prince Albert Victor*, deep crimson; *Solfaterre*, brilliant orange-scarlet; *Von Schiller*, deep salmon-pink. Single blue and mauve: *De Candolle*, pale reddish-lilac and blue; *Haydn*, lilac-mauve; *Blondin*, greyish pale-blue; *King of the Blues*, clear dark-blue; *Lord Palmerston*, greyish-blue, with white centre; *Marie*, dark purplish-blue. Single white: *Alba maxima*, fine pure white; *Grandeur à Merveille*, fine pale-blush; *La Franchise*, creamy-white, very fine; *Mirandoline*, pure white, very fine; *Paix de l'Europe*, pure white, very large bells; and *Seraphine*, pale-blush. It will be observed, all the foregoing are single varieties, and though there are a few fine double varieties suitable for pots, the singles are far better. If it were desired to add a single yellow or two, they should be *Bird of Paradise*, deep yellow, and *Ida*, pale yellow.

PLATE 377.

ERANTHEMUM ANDERSONI.

This is not a new introduction, but it is such a pretty species and so charming in appearance as to well deserve a representation in our pages. It is said to have been introduced from the Island of Trinidad to our gardens, but is really a native of the East Indies. It blooms freely, and continues several weeks in beauty in a stove; the flower-spikes are so exquisite in appearance as to remind one of a beautiful and delicate Orchid; they are pure white, the lower segment or lip being profusely dotted with crimson-lake, and broadly margined with white. Quite a small plant will throw up three or four main stems, each bearing a fine spike of blossoms, and when these are cut away other spikes issue from the leaf axils. If the flowers be plucked from the spike singly, others will spring up in their place, and being trumpet-shaped, they can be wired and used in bouquets, button-holes, etc. It flowers in February, but can be had in bloom all through the summer. It is a plant well deserving of a place in every stove, and appears to be freer of flower than some other members of the genus.

PLATE 378.

AZALEA, DUKE OF CONNAUGHT.

At the meeting of the Royal Horticultural Society on the 25th of March last, Mr. B. S. Williams, of the Victoria Nursery, Holloway, exhibited an Azalea named as above, having distinct hose-in-hose, or double corallae flowers of a bright rosy-cerise colour. It was so pretty and distinct that it is not to be wondered at it was awarded a First-class Certificate of Merit. Of compact growth and marked freedom of bloom, it will, no doubt, become popular as a most useful and effective decorative plant.

We are informed that it originated from a cross made between *Azalea amœna*, and one of the finest of the garden varieties. The flowers are small, like those of *A. amœna*, yet of larger size than in the case of this species, and they are of a more chaste and pleasing character than some of the large, uncouth-looking double Azaleas of recent introduction. It is not improbable that a new race of hose-in-hose Azaleas will result from the introduction of the type now figured. They could not fail to be useful in many ways, and they would be highly appreciated by cultivators.

PLATE 379.

ROSE, DUKE OF TECK.

This fine Hybrid Perpetual Rose is one of some splendid seedlings raised at the Old Nurseries, Cheshunt, by Messrs. Paul & Son, and, in common with all their new Roses, it possesses a strength of constitution which fits it for our English climate. In colour it is a bright crimson-scarlet, having a rich glow beyond all other existing sorts, and its appearance marks a decided advance towards the attainment of a true scarlet Rose. The habit of growth is more erect than that of the parent, Duke of Edinburgh, and certainly more vigorous.

It has received First-class Certificates of Merit from the Floral Committee of the Royal Horticultural Society, and the judges at the Alexandra Palace Rose Show; and at the last Exhibition of the National Rose Society it was awarded Mr. G. P. Hawtrey's prize for the best English seedling Rose not in commerce.

One good quality possessed by this Rose is its continuance in bloom, thus proving it to be a true perpetual. As late as October 24 there were good blooms and plenty of buds on the plants in the open air. It is to be distributed by Messrs. Paul & Son in June next, in time for budding.

PLATE 380.

CLOVE, SUSAN ASKEY.

This is a very fine richly-scented white Clove Carnation, that was recently awarded a First-class Certificate of Merit by the Floral Committee of the Royal Horticultural Society. We are not sure as to its origin, but it is supposed to be a seedling raised in North Yorkshire; but it is mainly through Mr. William Culverwell, The Gardens, Thorpe Perrow, Bedale, Yorkshire, that it has been introduced to the public notice; and it was flowers sent all the way from Thorpe Perrow which gained the Certificate.

The habit of growth is very robust; in this respect it is a decided improvement on some white Cloves in cultivation: the flowers are large, of full substance, the petals finely formed, and the perfume very rich. It is free from the common fault of some varieties—a tendency to split the pod or calyx. This variety is deserving of extended cultivation, because so valuable for cutting from. We have seen it grown in pots with great success, and some who have no convenience for cultivating a sweet-scented Clove in the open air, can do so in pots in an ordinary greenhouse.



J. Nugent Fitch del et lith.

ERANTHEMUM ANDERSONI

Vincent Brooks Day & Son. Imp.

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5, Henrietta St. Covent Garden.



J. Nugent Fitch del et lith.

Vincent Brooks Day & Son Imp.

AZALEA. DUKE OF CONNAUGHT

FLORAL MAGAZINE NEW SERIES

L. F. & C. S. F. B. St. Coven Garden.



J. Nugent Fitch del et lith.

Vincent Brooks Day & Son, Imp

HYBRID PERPETUAL ROSE DUKE OF TECK.

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5, Henrietta St. Covent Garden.



J. Nugent Fitch del. et lith.

WHITE CLOVE, SUSAN ASKEY

Vincent Brooks Day & Son, Imp.

FLORAL MAGAZINE NEW SERIES.

L. Reeve & Co. 5 Henrietta, St. Covent Garden.

THE FLORAL MAGAZINE.

NEW SERIES.]

DECEMBER, 1879.

[No. 96.]

HORTICULTURAL EXHIBITIONS.

SAVE and except the Chrysanthemum shows, which are now very frequent, especially within a circuit of some fifteen or eighteen miles round London, the only exhibition of any note, the proceedings of which are worthy of record, is the monthly meeting of the Royal Horticultural Society on November 18.

New plants were not very numerous on this occasion, and but three First-class Certificates of Merit were awarded. One was for *Lælia Dayana superba*, a remarkably deep and rich-coloured flower; the lustrous purple on the upper lip was very conspicuous, and the specimen was much admired. This came from Messrs. James Veitch & Sons, King's Road, Chelsea, who also had *Cypripedium Spencerianum*, which received an award at the last meeting, but was shown again to illustrate the very distinct colour of the upper division of the flower; also *Cattleya Fausta superba*, a fine hybrid between *C. Exoniensis*, itself a hybrid, and *C. Loddigesii*, and partaking in a remarkable degree of the former type. Another hybrid, named *C. Mastersoniæ*, was also produced, and is the result of a cross between *C. Labiata* and *C. Loddigesii*, but very distinct from either.

From the gardens of the Royal Horticultural Society, at Chiswick, came a collection of varieties of *Primula Sinensis fimbriata*, and to two of them, viz., Chiswick Red, the nearest approach to a red *Primula* we have yet seen, remarkably bright and high coloured, and Rubro-violacea, rich purplish crimson, First-class Certificates of Merit were awarded. In this collection were several other exceedingly pretty types, all very pleasing, for pot culture.

From Mr. J. Roberts, gardener to the Baroness Lionel de Rothschild, Gunnersbury Park, came a very fine variety of *Odontoglossum Alexandræ*, having very large and beautifully-marked blossoms on two spikes. This was awarded a Cultural Commendation. From Mr. W. Bull, Nurseryman, King's Road, Chelsea, came a group of plants containing several notable Orchids, such as *Cymbidium Giganteum*, the superb *C. Mastersii*, the rare *Trichosma Suavis*, *Oncidium Rogersii*, *Lælia Autumnalis*, and some others. With these there was a group of choice Palms, such as the very elegant *Macrozamia Plumosa* and *M. Denisoni*, *Kentia Aus-*

tralis, *Areca concinna*, *Thrinax elegantissima*; and the beautiful *Tillandsia Lindenii*, with its rosy flower spikes and rich purple flowers.

Mr. R. Gilbert, gardener to the Marquis of Exeter, Burghley Park, Stamford, sent a large group of very fine new varieties of double Chinese Primroses, raised at Burghley, two of which have been figured in the FLORAL MAGAZINE. In the group were Marchioness of Exeter, white, suffused with pink; Mrs. A. F. Barron, blush-white, delicately spotted; White Lady, pure white; and Earl of Beaconsfield, salmon-rose. These fine novelties have passed into the hands of Messrs. Osborn & Sons, the Nurseries, Fulham, by whom they will be distributed in the Spring. The more we see of these new double Chinese Primroses, the more we are led to admire their large, full, and handsomely-formed flowers, and we think they will prove very useful indeed for wiring for bouquets and other purposes. The trusses of flower are very large.

Mr. H. Cannell, Nurseryman, Swanley, sent cut blooms of some interesting *Salvias*, viz., *S. Splendens Bruantii*, having remarkably brilliant scarlet flowers; *S. Bethellii*, thought to be in all probability *S. involu-crata*; a most charming variety, with bright, deep, rosy-pink blossoms; and a very dark blue form, received from America, under the name of *S. Hoveyi*, but which was thought to be *S. ianthina*. Mr. Cannell also had a new Pompome Chrysanthemum of a hybrid character, named Princess Meletia, a pretty lacinated white flower of good form. From Messrs. Sutton and Sons, Reading, came a group of charming varieties of *Cyclamen Persicum*, the plants obtained from seeds sown in October last, thus clearly showing that good flowering plants can be had from seed almost within the space of a year. Messrs. T. Jackson & Sons, Nurserymen, Kingston, showed a collection of cut blooms of Japanese Chrysanthemums, in which were found good blooms of Peter the Great, large clear yellow; and Magnum Bonum, a large purple-flowered variety of excellent quality. Mr. R. Dean, Ranelagh Road, Ealing, sent plants of the new Marigold Meteor, bearing large double flowers, the florets arranged with excellent symmetry, the yellow stripe in the centre being banded with orange on either side.

SELECTIONS OF CHRYSANTHEMUMS.

Now that collections of Chrysanthemums are in bloom, and exhibitions are being held, a good opportunity is afforded for taking note of some of the finest blooms in the different sections of this popular autumn flower. While looking over collections and stands of bloom during the past week, we made note of the following varieties as well worthy of cultivation:—
Incurved Blooms: Yellow, Jardin des Plantes, a fine old variety very rich in colour; Gloria mundi, Mr. Bunn, fine deep yellow, a sport from Beverley; George Glenny, pale primrose, a sport from the white Mrs. G. Rundle; Mrs. Dixon, a fine and handsome golden sport from the same; Golden Empress of India, pale in colour, but very fine; and Guernsey Nugget. This gives us a good selection of yellow-flowered varieties of all shades. White flowered: Empress of India, very fine; Beverley, large and fine; White Venus, Mrs. Geo. Rundle, probably the most useful, if not the best white Chrysanthemum ever raised; Princess Teck, delicate blush, very fine; Dido, blush; and Novelty, a very fine white. The blush flowers are very charming indeed. The purple-flowered varieties are a limited but very fine class; the three best being Prince of Wales, very fine; Prince Alfred, a very pleasing flower; and Lady Talfourd. There are, no doubt, others of fine merit, but the three named are unquestionably very fine. In what can be designated the pink and lilac-flowered section, there are some very fine types, all very beautiful indeed. We may mention Lady Hardinge, soft pink; Hero of Stoke Newington, delicate pink; Mrs. Sharpe, Venus, very pretty; Princess of Wales, very delicate; Isabella Bolt, a charming flower; Ossuna, fine pinkish lilac, very large and pleasing; and Countess of Dudley, the circumference purplish lilac, with a pale silvery-creamy centre. The bronze and chestnut-coloured flowers form a very attractive section, and in this must also be grouped the orange and cinnamon-coloured flowers. Our list includes the Rev. C. Boys, deep bronze; Beethoven, very fine; General Bainbridge, Baron Beust, Bronze Jardin des Plantes, Antonelli, Barbara, a flower having a good deal of gold in its surface when fully incurved; John Salter, very fine; and Monarch, reddish bronze. Of what are known as the reflexed flowers, three varieties can be selected as possessing especial merit, viz., Dr. Sharpe, Julia Lagravere, and Progne; all very finely coloured.

The Japanese varieties now form a very large section, and include types of great size and beauty. The leading flowers are Fulton, deep golden-yellow, extra fine; Garnet, orange-red; Madame Lemoine, rosy-lilac, large and very fine; Arlequin, orange centre, tipped with purple on a blush ground; Lutea Striata, pale gold, the reverse of the florets cinnamon; M. Ardene, pink, large and very handsome; Oracle, lilac-pink, large and very fine; Ville de Hayne, orange-cinnamon, reflexed with gold, in the way of Dr. Masters; James Salter, very fine and free; Gloire de Toulouse, Red Dragon, Fulgore, Fair Maid of Guernsey, very fine white; Cry-Kang; Elaine, Orphée, bright red; and Mons. Crousse, pale orange-red, the florets pure gold when incurved in the centre.

The following selection of Pompome varieties is not a large one, but includes what we took to be some of the most useful for general decorative purposes. White flowered: White Cedo Nulli, Marabout, a very fine white variety; and Mdle, Marthe, perfect in shape and very free. Yellow: Mons. Astie and St. Michael. Crimson: Bob, Fanny, and Maroon Model. Bronze and Gold: Aurora Boreale. Lilac and Pink: Lilac Cedo Nulli. Of the anemone flower section there are three very charming varieties that should be in every collection: Calliope, reddish cerise, yellow centre; Marie Stuart, delicate pink, very pretty; and Dick Turpin, bright red with yellow centre, distinct.

In the class of large-flowered anemone-bloomed varieties we have seen nothing new. Fleur Marie, Gluck, Prince of Anemones, and a few others are still the best, and when nicely grown, and produced clean and pure, are very charming indeed. It is a class that increases but slowly; and they are not nearly so much grown as the fine and handsome varieties in the incurved group.

CLOVE CARNATION, SUSAN ASKEY.

In our notice of this fine clove in the November number of the FLORAL MAGAZINE, it was stated that the origin of it was involved in some doubt. We are informed that it was raised by Mr. William Culverwell, Thorpe Perrow Gardens, Bedale, who introduced the Clove to public notice.

PLATE 381.

CYCNOCHES WARSCEWICZII.

In our last issue a description of this singular Orchid was given on our first page under the head of "Horticultural Exhibitions," when exhibited by Mr. William Bull, King's Road, Chelsea, at the meeting of the Royal Horticultural Society on October 14. It is by no means a showy subject, but it is so singular in appearance and so interesting as to fully justify the production of it in the FLORAL MAGAZINE. It is supposed that the flowers on the shorter spike are the female, and the small ones on the long spike the male blossoms.

The genus *Cynoches* represents deciduous pseudo-bulbous Epiphytes, popularly known as the Swan Orchids; they are extremely curious, and require to be kept perfectly dry when at rest; they are cultivated in pots in a mixture of peat and sphagnum. There are five or six species, but that now figured appears to possess a greater botanical interest than the others included in the genus. As already announced it was awarded a Botanical Certificate of Merit by the Floral Committee of the Royal Horticultural Society.

PLATE 382.

DECORATIVE PELARGONIUM, VOLUNTE NATIONAL.

The class of decorative Pelargoniums—so named because of their great freedom of bloom and compact growth—is getting to be a numerous and favourite one. Many of the finer show or large-flowering Pelargoniums have flowers rich in colour and of exquisite form, but they are deficient in vigour and spare of growth, and do not make good pot plants, while for market purposes they are of no value. The beautiful variety now figured is a remarkably good addition to the decorative group; it has a fine free yet compact habit, and produces numerous large and symmetrical trusses of bloom; the flowers white, with a warm salmon-pink blotch on each segment; the margins and throat pure white. It was awarded a First-class Certificate of Merit by the Royal Horticultural Society in July last, when exhibited by Mr. Frederick Perkins, Lillington Nurseries, Leamington, who has introduced the Pelargonium to English gardens.

Pelargonium Volunte National was raised by Mons. Victor Lemoine, of Nancy, France, an enterprising florist who has obtained many fine novelties in the way of Pelargoniums. It is unquestionably one of the best decorative varieties yet introduced, and we predict that it will be in great demand for market purposes. Mr. F. Perkins, who has obtained a stock of this excellent variety, is announcing it for distribution.

PLATE 383.

DAHLIA YUAREZII.

This very remarkable Dahlia was exhibited by Mr. Henry Cannell, the Nurseries, Swanley, at the meeting of the Royal Horticultural Society on September 16; it attracted considerable attention from the botanists and horticulturists present, and received a Botanical Certificate of Merit. The *Gardener's Chronicle* regards it as "a new type of Dahlia altogether, a sort of Sea Anemone among Dahlias, with long crimson-scarlet pointed petals, like the tentacles of an Actinia—a striking novelty, christened temporarily the Cactus Dahlia, and which may be the parent of a new strain."

This singular Dahlia came from a firm of Dutch nurserymen, who derived it some few years since from a French nurseryman, and suppose it to have been imported from Mexico. We are further told by the *Gardener's Chronicle* that "the culture of this singular variety is precisely the same as for other Dahlias. It forms a dwarf, compact-growing plant, the first flowers produced being among the foliage, and not well thrown up above the leaves. Such is all the information we are enabled to glean up to the present respecting this Dahlia." We are indebted to Mr. Cannell for the subject of our illustration, so well sketched by Mr. Fitch.

PLATE 384.

NEPENTHES OUTRAMIANA.

This very pleasing Pitcher Plant is a garden hybrid raised between *N. Sedeni* and *N. Hookeri*, and represents one of the most distinct crosses yet obtained. Mr. Fitch is to be congratulated on the excellent drawing he has made of this fine plant. The pitchers are of medium size, broad at the base, tapering into a cylindrical neck, green, thickly dotted with small reddish-brown dots, and with pencillings of the same here and there, and furnished with two narrow, finely-toothed wings.

We presume *Nepenthes Outramiana* was obtained by Mr. B. S. Williams, Victoria Nurseries, Holloway, who exhibited it at the meeting of the Royal Horticultural Society on October 14 last, when it was awarded a First-class Certificate of Merit. It is one of several valuable hybrids that have been obtained of late years: Messrs. Veitch & Sons having contributed several new types of rare merit. The *Nepenthes* represent some of the most singularly beautiful forms in the whole vegetable kingdom, and a collection of them is a sight full of interest to the horticulturist.



CYCNOCHES WARSCEWICZII.

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